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7533. In English, on paper : written in 1822 &c.:
8 × 5 $\frac{1}{8}$ in., 189 leaves.

' Saint Thomas's Hospital October the first
eighteen hundred and twenty two. Surgical
Lectures delivered by Sir Astley Paston
Cooper Bart: ' ; introduction and 23 lectures
(foll. 2-156), written on one side of the

leaves, with pencil additions on the verso
of some. The volume, turned about, has
been used for notes, in the same hand, from
the surgical lectures of Mr. Tyrrell (foll. 186^v,
155^v, 129^v). Foll. 60, 157-76 are blank.

Frederick Tyrrell (1793-1843) published Cooper's
Lectures in 3 vols., 1824-7 ; 8th ed., 1835.

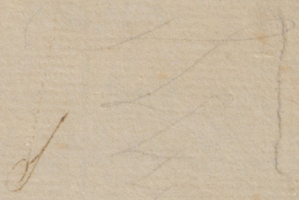
For a full list of all the 8639

7533

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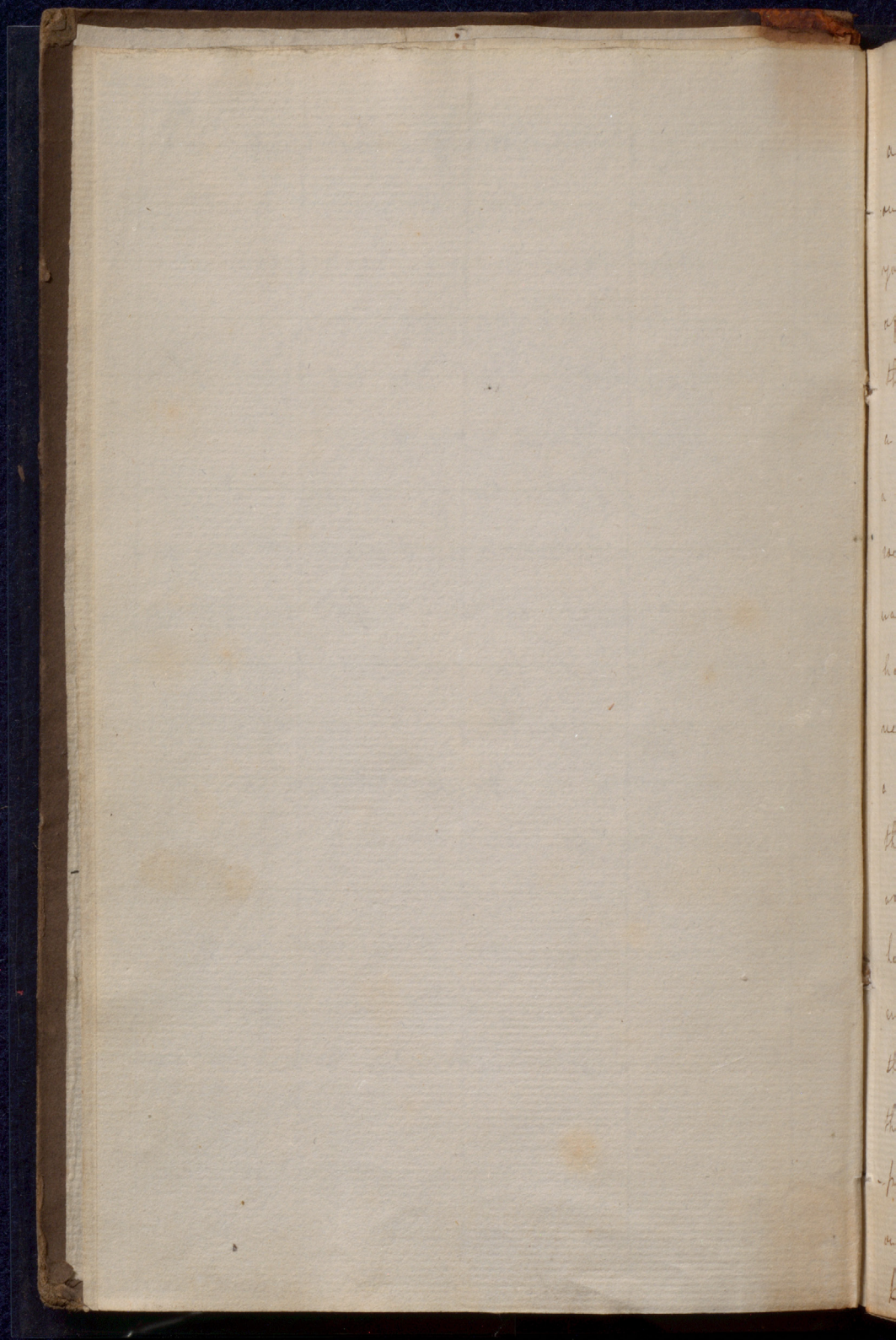
P.S. are under for the transfer
of the ^{new} paper.

Saint Thomas's Hospital
 October the first eighteen hundred and twenty two
 Surgical Lectures
 delivered by
 Sir Astley Paston Cooper Bart.
 Surgeon to the King.

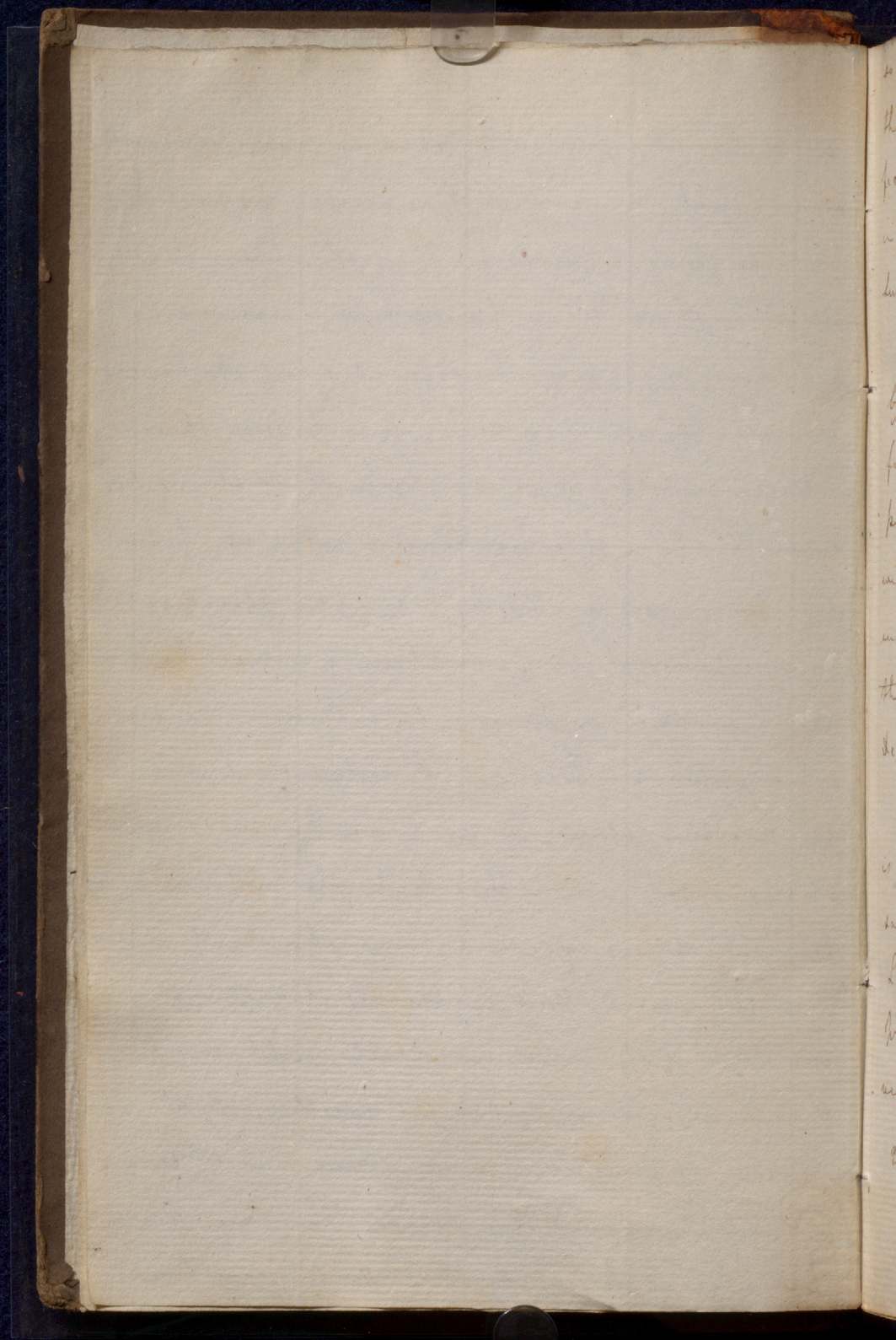
It is nearly thirty years since I commenced Lecturing here, and I deem it my duty, in the first place, to thank God for giving me health and power for all that period.

Surgery consists of external remedies, and operations. By the Principles of Surgery are meant rules laid down by Surgeons of reputation for the treatment of disease.

There are three rules to be attended to, first Examining disease, 2^{ndly} Examining the dead, and 3^{rdly} by experiments upon living animals, there being more than man. Supposing you are called to a man whom you find vomiting, you enquire if he has had stools, and you are told no, you feel his belly which is hard



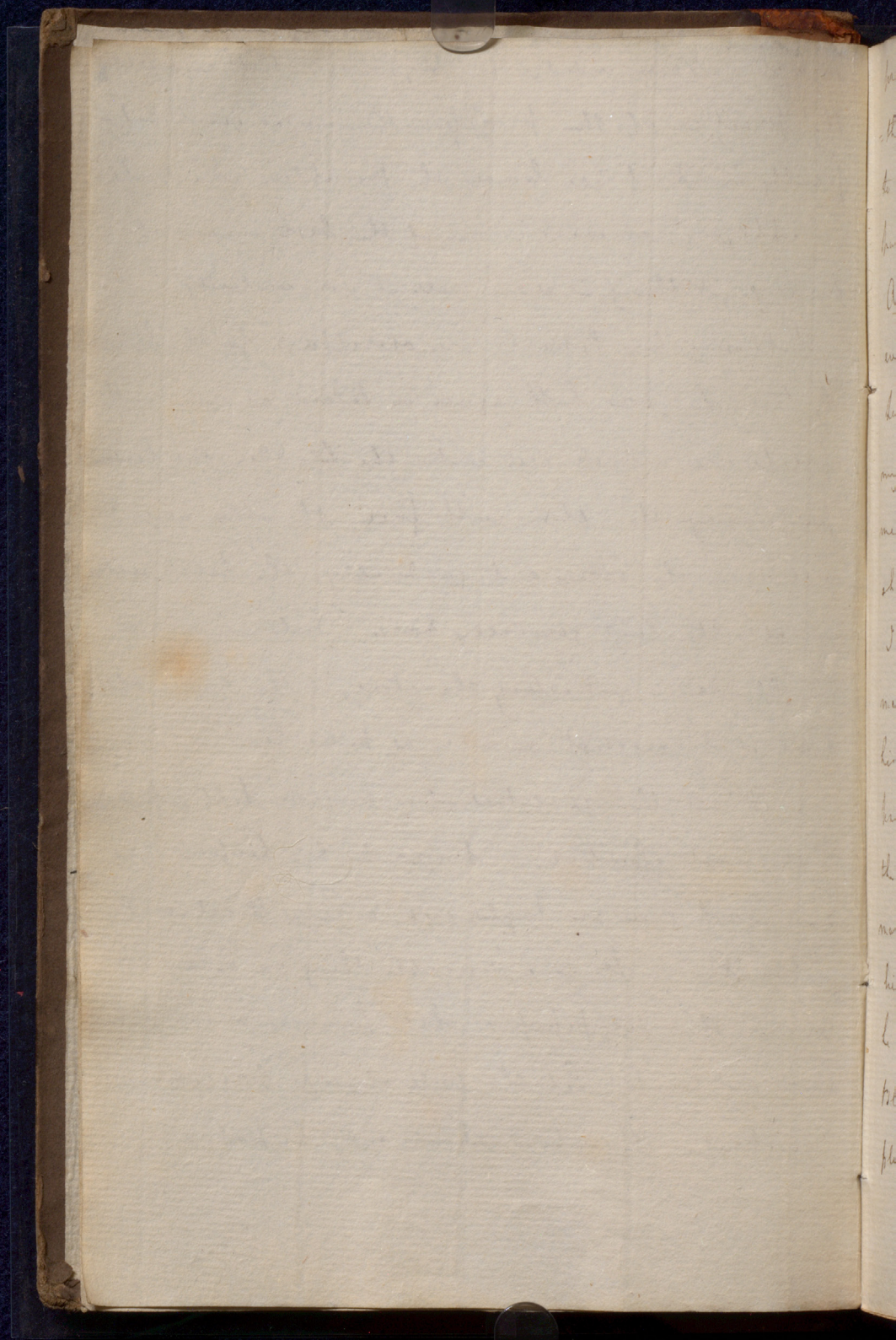
and tense, you give opening medicine without effect, in a few hours the patient tells you he has a swelling in the groin and after a short time he dies. On examining the body you find inflammation of the bowels, a small part of the gut has passed through a hole and there, as I were, with a string tied round it, had this been known when the patient was living, you might, by a simple operation have relieved him. Supposing a man has received a wound, a surgeon is called in, he sees a wide wound bleeding, he applies lint and the bleeding stops, in 24 hours he calls again and cannot remove that lint, the adhesion has taken place, granulations shoot up and cover the wound. But he thinks it better to bring the edges of the wound in contact, supposing then the wound can not be brought together, by the application of a poultice matter is more readily thrown out and the wound thus healed. These are then the principles of surgery, by these Hester raised himself



so high. Never indulge in Hypothecies. With regard to
the practice of the profession there is no great dif-
ficulty in it if you know the Prescribers. Next to
in applying remedies is one of the best means of
surgery. Nothing is done well if done modestly.

Supposing two Patients are operated on for the Stone
by two Surgeons both equal in talent, as soon as the
forceps are introduced into the bladder one person
pulls away the stone with force, the other says, I
will draw the stone out gradually, the first seldom
succeeds the last generally does. Violence done to
the bladder in extracting the stone, is the cause of the
death of the greatest number of patients.

Of all the qualities of a Surgeon Self possession
is the most essential, a Surgeon to be perfect, it is
said, must have an Eagles eye, a Lions Heart, and a
Ladys Hand. It is a desirable thing in order to
preserve this self possession, that Surgeons ought to be
very deliberate. Let the Will always precede
quickness. Operations should only be performed to



5
premise life, when going to operate, ask yourself whether if it were your own case you would submit to the operation, you should think this also for your patient. The first and most essential point is Anatomy without it there can be no surgery, even the trifling operation of bleeding, cannot be well performed without anatomy. Call when I was serving my time at this Hospital, a brother dresser came to me one day in a great fright, and said, Cooper what shall I do; I have pricked the artery in bleeding a Man, I went with him, and we tied up the arm tight, the man came in a few days to Mr Lucas, and showed him his arm, which was much swollen, Mr Lucas being kindly said this is nothing, if you will come into the operating Theatre we will do something for you, the man would not consent, and went away, to a friend of his a Barber and blooder in Fleet Street, to whom he told that he had a swelling at his elbow after bleeding, the Barber said he would soon cure that and plunged a rusty lancet into the tumour, the blood rested

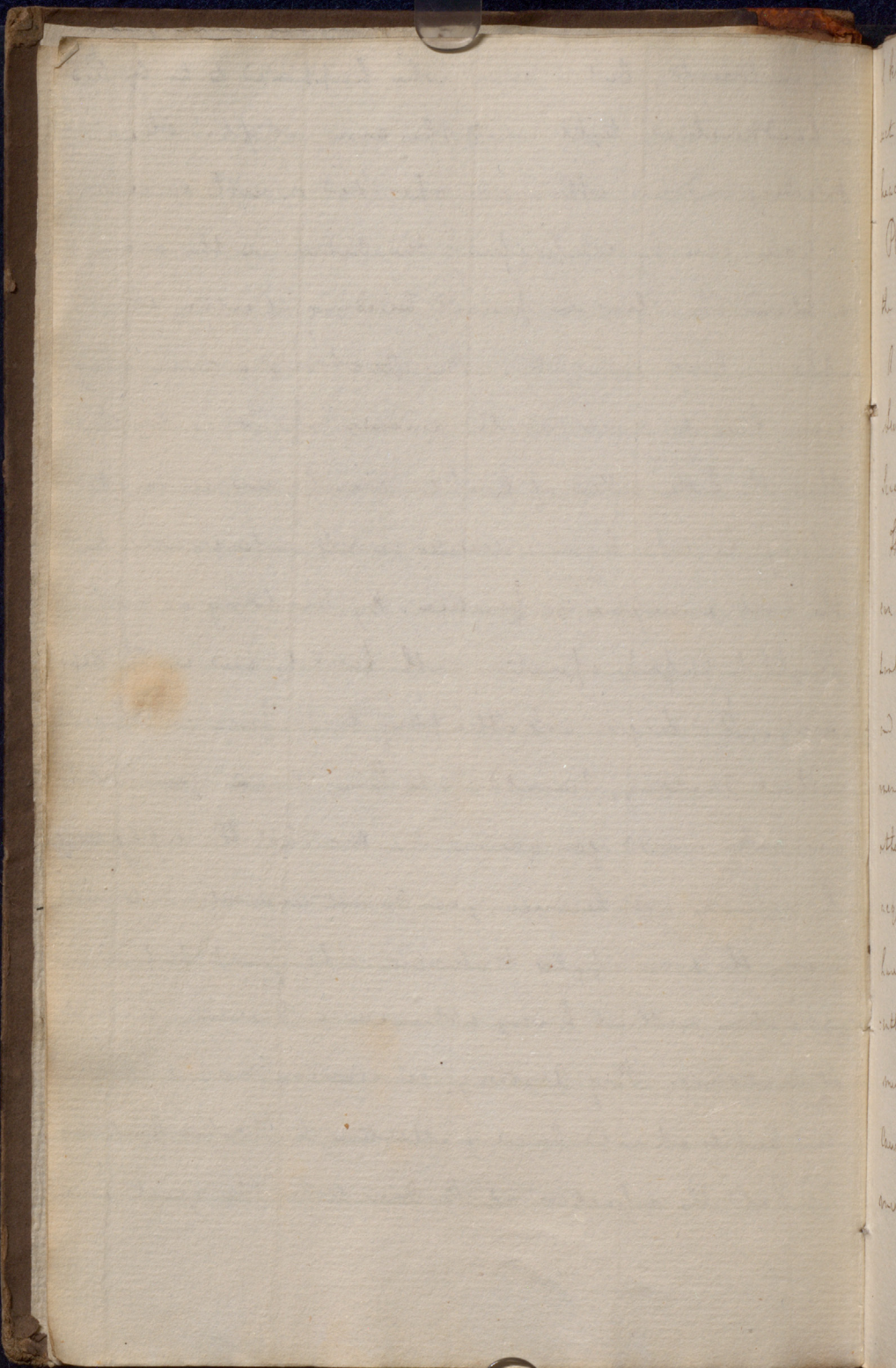
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out in Lorentz, but a man who happened to be by tied
a handkerchief tight round the arm, stopped the
bleeding and was afterwards operated on with success.

You can by compressing the Artery in the groin
or behind the Clavicle prevent bleeding of either the
upper or lower extremity. By Anatomy a man may
learn how to discriminate disease, and it is by that
that the better order of people crush disease in its
infancy, he who knows disease in its infancy will be
the most successful in practice. By Anatomy we are
taught to perform operations with facility and with des-
patch. If a Surgeon was attempting to perform an Operation
without Anatomy, I would say to him, if ~~you~~ your watch
was broken would you give it me to mend? the reply would
be certainly not, because you do not understand its mech-
anism, the same applies to Surgeon who goes to perform an
operation without having obtained a previous knowledge
of Anatomy. By Anatomy we examine marked parts
and parties should be very attentive to Marked Anatomy.

I hold the dissection of Bodies to be the great source



of knowledge. When you defect do not attempt to dissect a whole body at once, but take a small part; a head alone will occupy 3 weeks to defect it properly.

Physiology. When you defect a part ask what is the use of that part before you go to another part.

A few years ago Physiology was scarcely studied by Surgeons. Surgery now ranks high in the world merely from becoming Scientific, for this we are indebted to Mr J. Hunter.

Healthy functions to be known before diseased actions can be understood. Medicine; the study of it important. The influence of local disease on the constitution;

and the origin of local disease from constitutional derangement. Medicine and Surgery mutually affect each other.

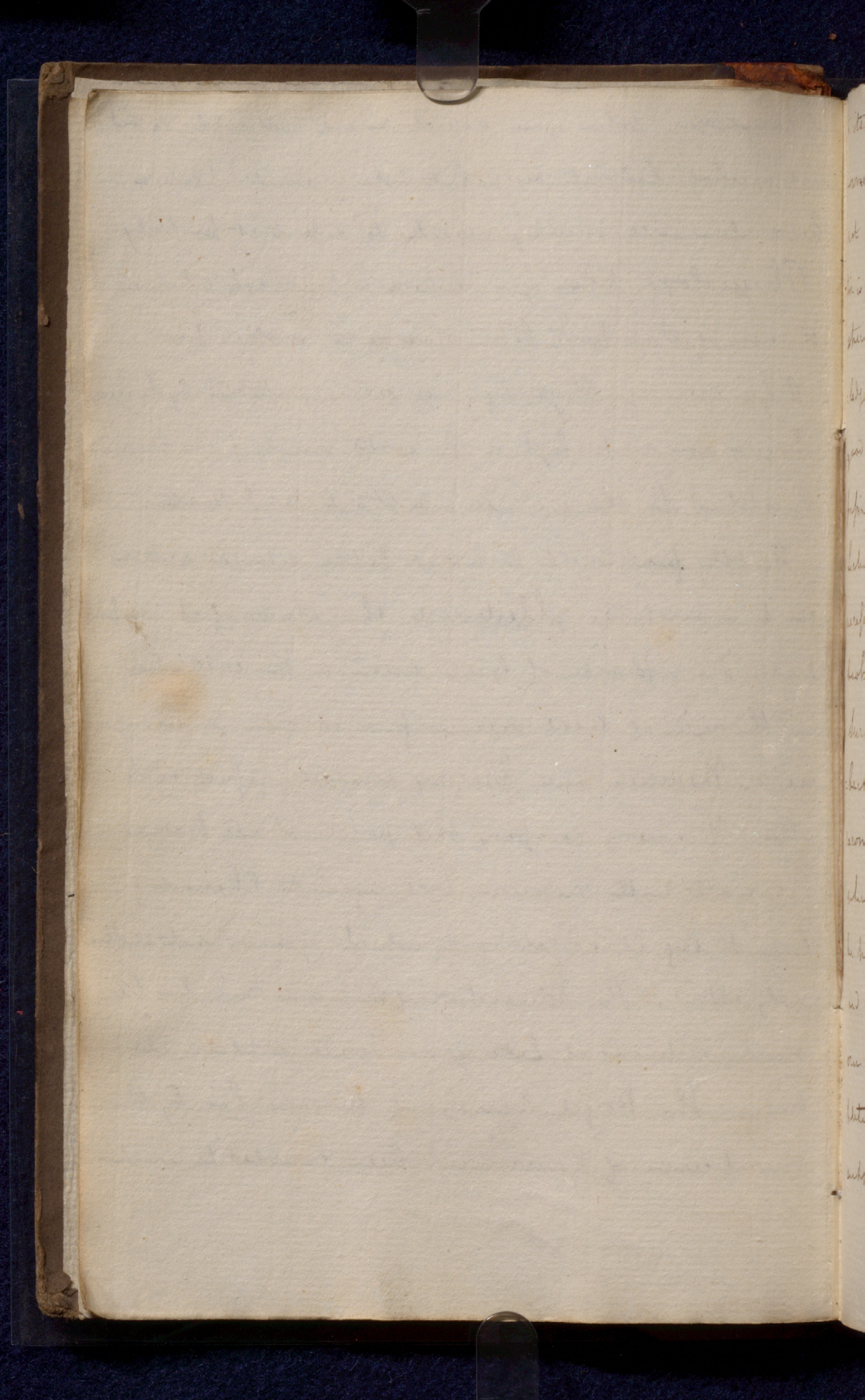
It is very necessary that pupils should become acquainted with Medicine. With regard to Chemistry I

have to say, it is a study to which you do not sufficiently attend. The Education of Medical Men has been

much improved of late years. I will explain its

cause. The Royal College of Surgeons has by the

munificence of Government been enabled to unite



to itself the Museum of the late Dr Hunter. The
examinations too are now so conducted, that a man can
=not pass unless he is really a good surgeon. No examina-
tion is conducted until more hundreds, nor any with more
strictness, in regard to surgical and Anatomical know-
=ledge. The Society of Apothecaries has done much
good to our profession by obtaining a law, that before
beginning, young men shall attend a certain number of
Lectures. With regard to books I would say few are
necessary. In Anatomy I prefer Luffe's System as a
book of reference. In Surgery the best book is Cooper's
Surgical Dictionary, and in Physiology Blumen-
=bach or Becham, I also would more particularly
recommend L' Anatomie Generale de Becham
which is now translating. Let me advise you to
be punctual as to the time of attending the Hospitals
and the House of attending Lectures, for if you miss
one you break the Thread, and the course is incom-
plete. To show the advantage of being steady, I will
suppose that you set up in your native town

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and another young man who has been more attentive⁹
and studious may become a rival of yours, now it might
be better that you would be called to a dislocation
you (from ignorance) would treat it as a common
sprain by ordering him a liniment, after having used
it for a fortnight or three weeks, and finding himself
no better, would begin to feel uneasy and alarmed,
he calls in the other surgeon, who finds it to be dislocated,
and probably reduces it and the patient gets well.
Now this single act would raise the one into eminence
and let the other fall into dishonour and poverty.

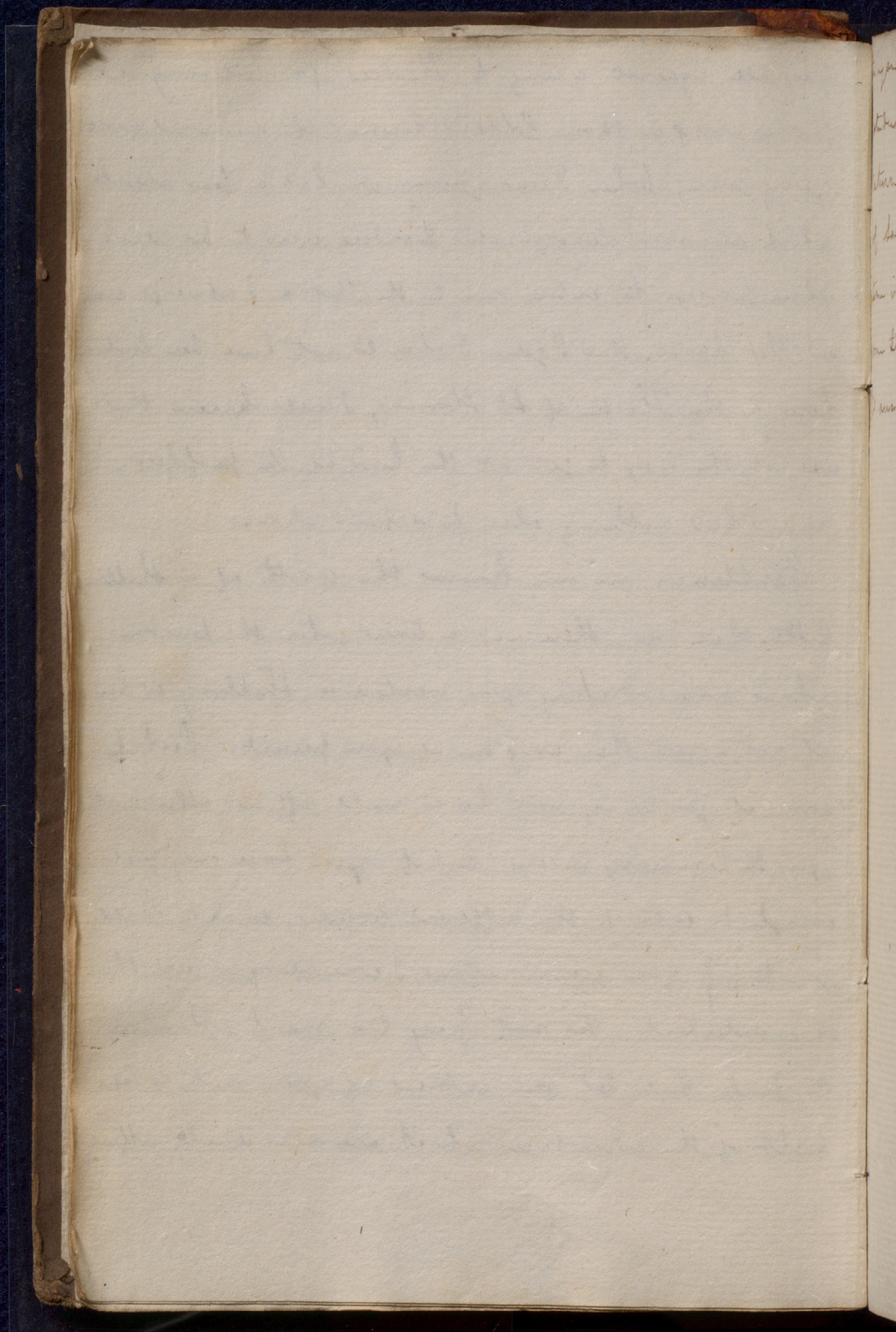
If it should fall to the lot of some of you to
be doctors let me implore of you to treat the
Patients with kindness and tenderness. For your good
actions and work in this world, you are amply remun-
erated for in the world to come. Great advantages
result from knowledge united with perseverance.

Knowledge is good, but it is only good as it is useful,
only useful, as it is retained and employed, for the
different and daily necessities of life. Let me warn

you in
man
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line
to the
line, is
and
and I
for
letter
who is
of not
some
your
enough
to
in whole
to the
right

you all, against going to Theatres, for listening¹⁰ and
provenancing in those lobbies become the ruin of most
young men. When I was young, we had a few objects
which are now denominated Landies, used to do all in
these houses to entice me to the theatre, I always resist-
ed that power, Had I gone I should not have been lecturing
here, in the Theatre of St Thomas's, I well knew that
was not the way to get at the head of the professor,
and I had nothing else to depend upon.

Gentlemen no one knows the worth of a shilling
better than I do, there was a time, when the person
who is now addressing you, wasted a shilling as bad
if not worse, than any one of you present. Perhaps
some of you may not be as well off as others with
regard to pecuniary means, but if you have only just
enough to enter to the different lectures, so as to enable
you to pass your examinations, I consider you all then
as Independent. Do not pay too much attention
to trifles, but let me entreat of you not to lose
sight of the advantages which are now daily offered



to you, and to endeavor by steadily adhering to your
studies to give satisfaction to your parents when you
return home, and likewise to become useful members
of society. If on the contrary you spend your
time in idleness you are sure to repent when you
come to reflect on the manner you have squandered
it away.

... to produce ...
... the ...
... the ...
... the ...
... the ...

a. 1st

a stimulus produces a motor action. A stimulus on a muscular bottom.

When a stone is in the bladder the hair is at the end of the penis.

In diseased prostate on the inner side of the thigh and a weight in the perineum

In diseased hip the hair is in the knee roll the thigh down and you produce hair at the heel

Lecture 1st

Irritation. Death produced by a burn or Scald is by its action on the Nervous System, Nerves as soon as an injury is received communicate the intelligence to the vital organs.

Irritation is an ^{unnatural} ~~unnatural~~ action, excited in the System, in consequence of the application of an unnatural stimulus.

The actions of the body are principally supported by their natural stimuli, air stimulates the lungs, the food stimulates the stomach, the blood stimulates the Nervous System and Brain, the Bile stimulates the intestines, but if an unnatural stimulus be applied, bad consequences are sure to arise and are with difficulty removed. Violence done to a part produces an unnatural action which is Irritation. One part of the body will suffer from another part which is injured, the disease will be in one part and the pain in another part, for instance if a person has a diseased Testicle the pain will be felt in the

Prohibition affects the blood vessels
as well as the nerves, as is shown in
the toothache from which, suppression
of the toe will produce hemorrhage.
Local Prohibition is Local or General.

The Lady of the Bishop of Limburg
had a finger removed from her the
tooth and produced Local Prohibition
it was destroyed by arsenic twice and
returned the tooth was drawn and
the girl well. You sh^d always
find the seat of irritation.

General Prohibition from Local cause,
with the introduction of a bougie, for
instance, in this case fanning is
produced etc. . . by the action of Prohibition
in the lower trachea, pain in the lower
stomach is the same manner as
the other condition, next to it is the head
ache, say, if you get the face white, yellow
or black. The whole skin is affected

loins, again, if a person has a stone existing in the bladder, the pain will not be in the bladder, but at the extremity of the penis, sometimes in the Urethra but generally about an inch from the end; if a person has an enlargement of the Prostate Gland the pain extends on the inner side of each thigh. In disease of the Hip Joint the pain is felt in the knee, but if you examine the knee you will find no disease existing in it, but if you look at the Hip Joint you will find it very much enlarged, and the pain will be felt on either side of the knee generally on the outer side. When the Liver is inflamed the pain will be felt at the Shoulder about the clavicle. You would ask the reason of this, it is easily explained, the Nerves, the heart affords become diseased, and the pain extends to their source.

It is always the case when the end of a Nerve is irritated, the pain is referred to its origin, if the trunk is irritated pain is referred to its branches. Diseased actions are often produced at remote parts from a part at first the seat of disease.

vomiting, the body coarcted, the pulse
is not secreted, the faces white
lacrimation of the skin stopped

The heart is white, the pulse is grey
and hard, the hard pulse indicates
inflammation the brain and heart
system are affected

When inflammation has continued
long, the patient becomes, is colder
in loam in his body, the pulse
weak and contracted, there is also
hearts. When inflammation is con-
tinued the heart system the
nostrils of the the secretory vessels
close, and the blood accumulates
in the heart, and the heart has the
power of sending it to any part
of the body, as in heart more
than another as in inflammation

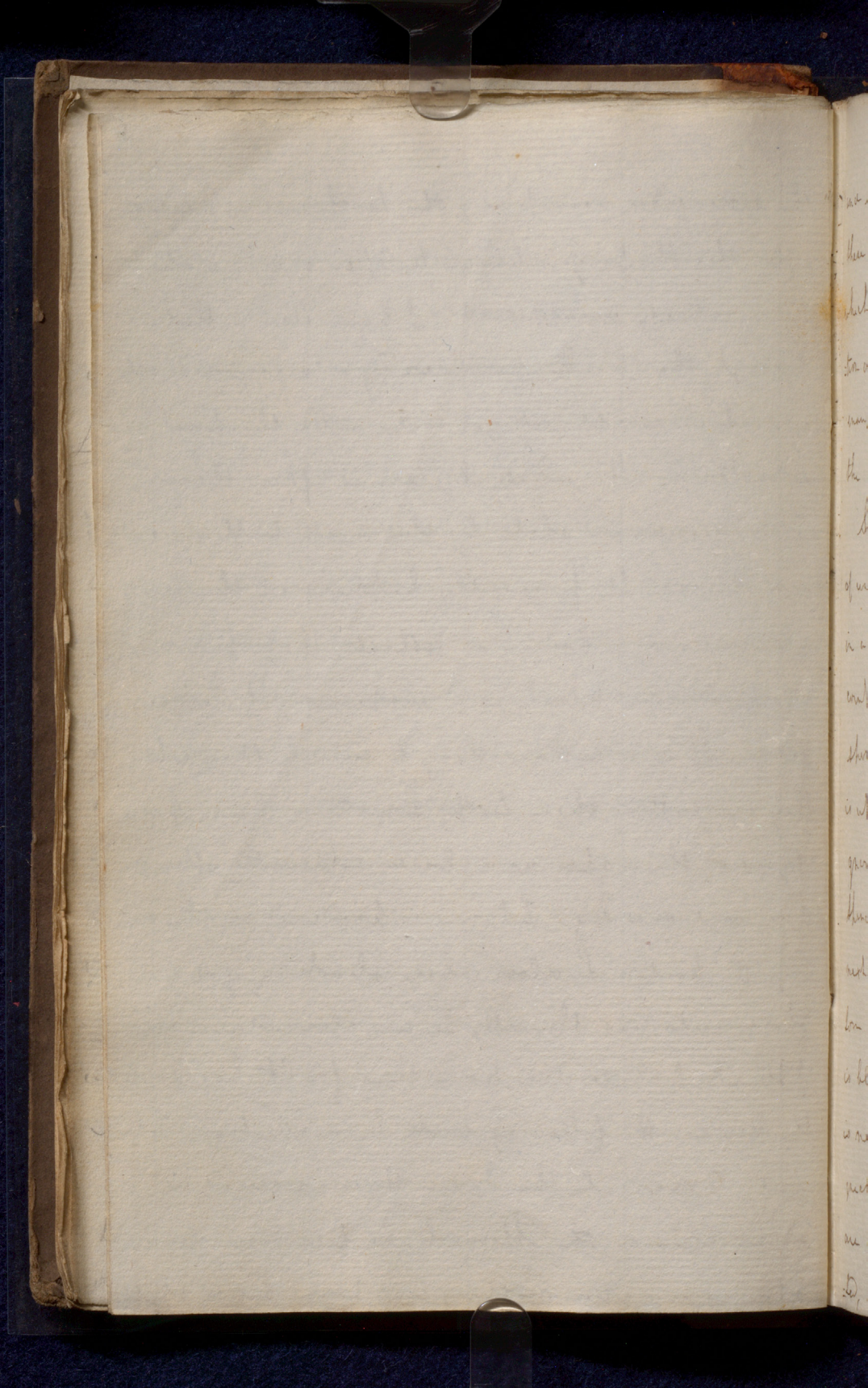
Localized actions are sometimes carried to a great extent or distance, the most common example of this, is Disease of the Testicle. If a deranged action arises in the head in consequence of a blow, irritation of the system is produced, and vomiting ensues.

If a man has Gangrene or a wound in the Toe it shall produce hiccough which is a convulsive action of the Diaphragm, the stomach being first affected then affects the Diaphragm and produces hiccough. When you are tracing irritation you will find it either Local or Constitutional. The best examples of Local irritation are diseases about the Mouth, a decayed tooth for instance it produces a violent pain and a swollen face, which is an instance of Local Irritation. The membrane lining the Arterium is also affected and forms. A most serious disease is seen sometimes arising from the same cause. A Lady had a fungus growing from her cheek, which had been taken for Cancer and was treated accordingly but did not get well. A decayed tooth was observed as

The degree of tenderness depends
upon the part injured.

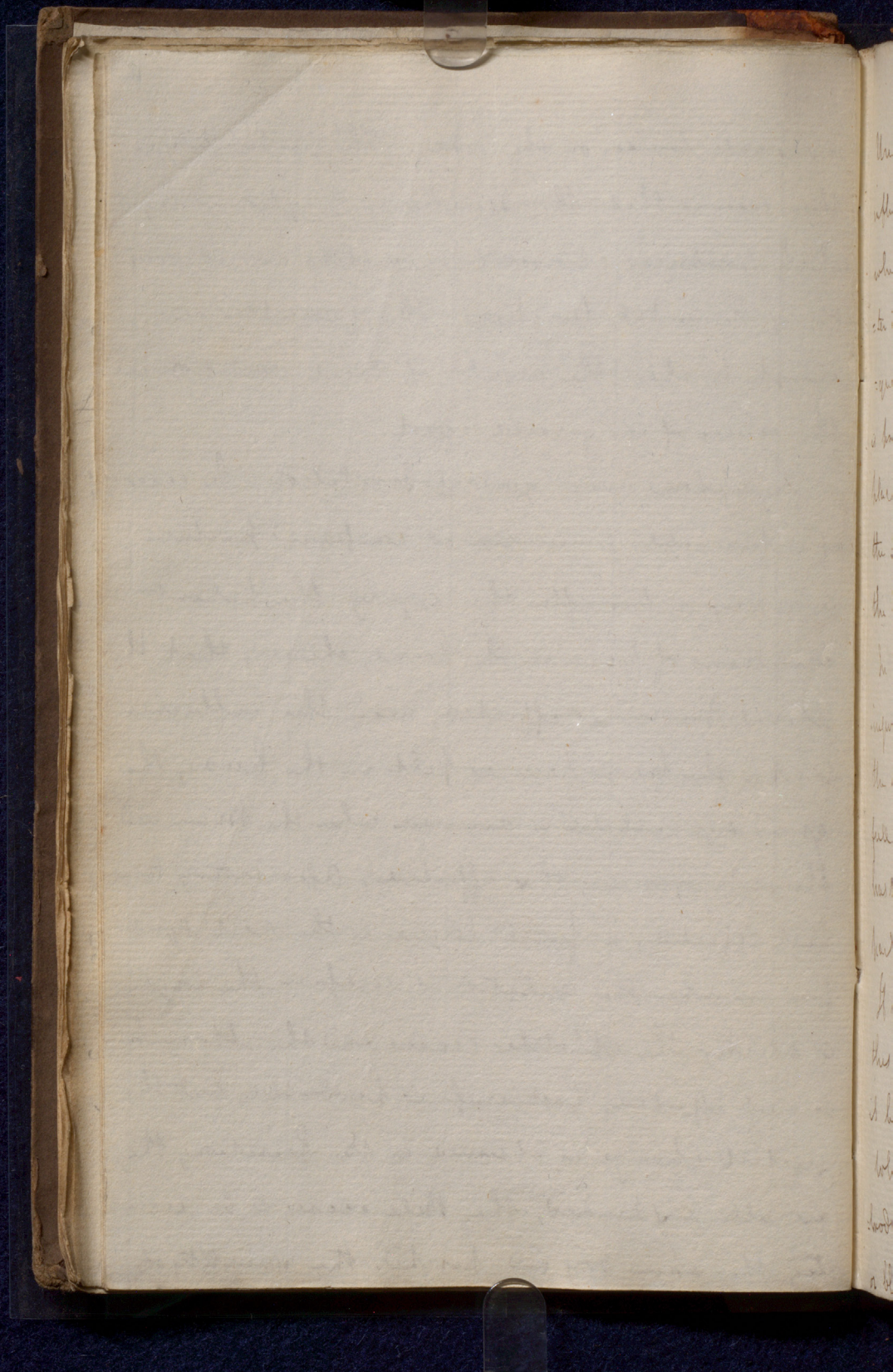
Probably is greatest in contu-
sion they bear observation very ill
I think of Belladonna or other
either in or excellent observation
cases after operation applied to
the surface. Old people little
variable in better bear obser-
vation about 60 is the best, under
60 they bear observation very bad.

the same side near to it, the tooth was extracted after this the fingers began to relax and in a short time entirely disappeared. I have seen a Hole through the Cheek produced by a decayed tooth, and which would not get well until the tooth was extracted. The whole system is often thrown into a disordered state by the most trifling circumstances. It frequently happens at the first introduction of a bougie or catheter, that fainting is produced which is a suspension of nervous action. It is a curious thing to see children when they are cutting their teeth, sometimes have paralysis of the upper and lower extremities of one arm and one leg. Tetanus is produced in the same way. A Doctor Ludlow when shooting got a thorn into his thumb, he was alarmed and said, I think I shall die, from this, for it has pricked the Nerve, the following week he died from Tetanus. A man at the Indian House received a slight blow on the stomach, he fell down dead, upon examination nothing was found but a slight



and small bruise on the side. The probability in these cases is, that - the semilunar ganglion is injured which produces almost immediately an interruption of the vital functions. These examples are enough to show the result of local irritation and the causes of its general effect.

Symptoms under general Irritation. In case of unfavorable termination of compound fracture in a day or two after the injury the patient complains of pain in the Loins, shewing that the spinal Marrow is affected, next the influence is upon the brain pain is felt in the head, the general sympathies are disordered when the Brain and Spinal Marrow are thus affected, Alimentary canal next affected, a furrowed tongue is the next symptom and when the irritation is excessive the tongue is black, the appetite ceases and the Stomach is next affected. Costiveness is produced, but the greatest change is observed in the Secretions, they are all suspended, the Bile ceases to be secreted, the skin dry and parched, the quantity of

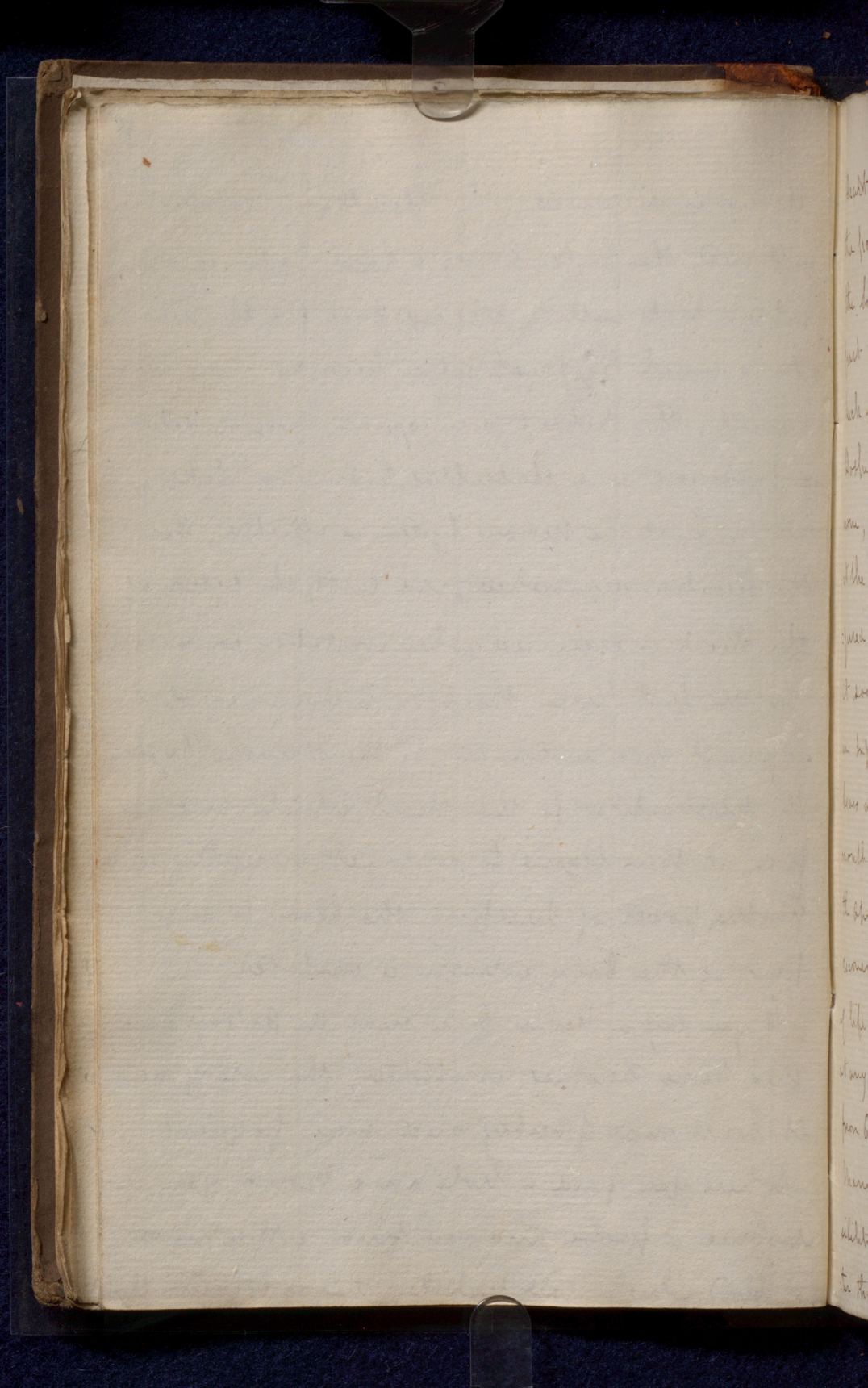


Urine is decreased, the Heart and Arteries are influenced, the pulse hard, (a hard pulse is one which beats with increased force but the diameter is much less), respiration becomes more frequent, the Patient is in great danger, delirium is produced and Subultus Lendineum takes place. First the Nervous System is affected, then the Secretions diminished, and lastly the action of the Heart is increased when Irritation commences.

In the first place the body is informed of the injury it has sustained by the Nervous System, the blood returns to the Heart, which becomes full, it then begins to contract violently, and has the power of directing the blood, to any part of the body which is irritated.

If you lay a Nerve bare near an Artery and this Nerve becomes irritated, the artery near it beats more forcibly and more frequent.

When you find a hole in a Bone you introduce a probe and you find either matter or blood which will pulsate, this is because the



Heart more particularly sends the blood to the part which is irritated. The violence of the symptoms of Irritation depends upon the part injured. A man receives a violent kick from a horse and is brought into the Hospital, you feel for his pulse, and you find none, if the intestine be injured the pulse at the wrist is suspended. If a joint be injured (and it is difficult to restore it to health) it soon destroys life. Old people will bear an injury better than younger ones, a child bears an operation very ill, one year and nine months is the earliest time that I perform the operation of Lithotomy with success. A youth recovers from an injury very well. In the middle of life persons suffer more from accident or than at any other period, I should say, between 25 and 50. from 60 to 68 they seldom die from operations.

Many people have a want of feeling and sensibility and these persons will bear an injury better than others who have a greater degree of sensibility.

In the first place you remove
the cause.

Simple fractures are sometimes
understood comp'd by the bone being
much shattered, the pieces acting
as excruciating bodies.

Treat^t of Constitutional Irritation
you moderate the Irritation
I mean 1st by restoring the
Secretions of the body. you
give diaphoretics and aperients
you give purgatives to restore
the Secretion of Bile. I mean
by demercurizing. Now I probably
you give Rhubarb and Antimony.
but the best medicine is

ility.

Lecture 2nd

Treatment of Infection.

When Infection Liver is produced find out the cause and if possible to remove it, and you will find after the cause is removed the cure is sure to follow. In cases of Compound Fracture which is extremely oblique saw off the extremity of the Bones and the Infection will be prevented but this should be done at first.

You may make an incision to gain access to the bone if no wound be present sufficiently extensive for your purpose. When there is considerable increased action affecting the vital organs you must bleed freely. Another thing to be particularly attended to is, the Secretions, if any of them are impaired a reparation of them is highly necessary. If a man has had a Compound Fracture and is bled freely he sinks before Nature has restored the Secretions. To restore

Palmer's III II followed
by saline aperients. They di-
minish sensibility particularly
about the bladder. The best
remedy with this is an
excellent remedy in Constitutional
Inflammation. You should be
cautious in bleeding for I sometimes
knows hurtful. Plummer Pills
are excellent pills they act upon
all the secretions.

Inflammation.

Signs of Inf. of Kidney, consisting
increase sensibility, and increased
heat. Kidney affected when
the whole state of system is
inflamed more or less.
Swelling is in some degree
common to the disease in case of

The Secretions give Calomel which will restore the Secretions of the Liver and Intestines, you may also give the Lig. Ammon. Carb. with Mag. Sulph. which will act on the Skin and Intestines.

Life Irritability by the exhibition of Opium and Hyoscyamus with Saline Medicines. If a Man has an excessive irritable bladder give him Lig. Potash and Tinct. Opii which will soon remove that Irritability.

Inflammation. It is marked by circumstances which distinguish it from other diseases. It is marked by redness, Tension, and hardness, heat and Irritability, and is produced by the vessels receiving more blood than usual.

Tension arises from 2 causes effusion of fluid and the existence of a Solid body, it is aided when the inflammation has been produced from the distortion of Tissue and when least severe has been diffused. Pain is produced at the extremity of Nerves by vascular action and a determination of blood to the extremities of

Blood, but principally Affusion.
Evidentiability for surface on
the nerves. Heat is greater
under inflammation than Medicine
this applies only to the surface
of the body, not to the pleurae

Inflammation produces 4 effects
1st effect, it is the effusion of the
fibrous part of the blood into the
cellular space. 2nd effect
distinction it is the effusion of
particles like red particles with
serum, here the serum and parti-
cles, are retracted from the other
parts. 3rd effect is on the ab-
sorption which causes Ulceration
4th effect the destruction of life
or gangrene. Constitutional
effects like Insultation.

of the nerve. Heat seems to be different in different parts of the body, where heat is increased it ~~now~~ raises above the heat of the heart which is 98°. Pain may be present without an increase of sensibility in Lie Solonnet you have pain without inflam. Whenever a part is inflamed the sensibility is increased.

If you amputate a Thigh which is inflamed you cant produce adhesion but abscesses will be formed and pus collected. 4 Effect of Inflam, it produces adhesion, in inflammation fibrous is poured out which Glues the parts together. Suppuration is a secretion from blood vessels, when inflam is too excessive to produce the effusion of fibrine, and pus is produced. Ulceration is a process of absorption. Gangrene is the death of a part where inflam has been present.

In a dead vessel and not removed from the body the blood will coagulate in ten minutes, but in a living vessel it remains

Posterior is either healthy or un-
healthy. Operations to remove are
essential must be attended or followed
by inflammation, even a bleeding.
Chordee or Triplene is unhealthy
generally,

3 hours and a $\frac{1}{4}$ to complete. Symptoms vary for inflow are different as it affects different parts. If the skin is inflamed the inflow extends very much and in the inflow of any surface it is always extensive. Cellular Membr. if affected with inflow, the cells are glued together. If a fascic. be inflamed it has ever very much the appearance of Erysipelas on the skin. Muscles are often inflamed and the symptoms are stormy. If a tendon be inflamed it sloughs to a very great extent.

If Arteries be inflamed (which often happens) it produces death which is often the case after operations, by binding the forest it produces pain. After amputation Sir A. Cooper examined the Artery of a Man who died and just above the lig, in the int. the Artery was a collection of pus and he slit it with the Arteries he found an Erysip^l inflow on the internal surface. Veins are more subject to inflow than Arteries, & less so.

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have seen die either from lig. or division of
veins. Saphenous Major has often been tied and
has often been fatal. Inflamm of veins however
fetched for producing adhesion and also for
the formation of humors

Lecture 3rd

Constitutional effects of inflam the same is
produced by wrestling, they depend on the
extent of surface inflamed on the constitution,
of the constitution and on the importance of
the organ affected, inflam is healthy when
it produces the adhesion of wounds.

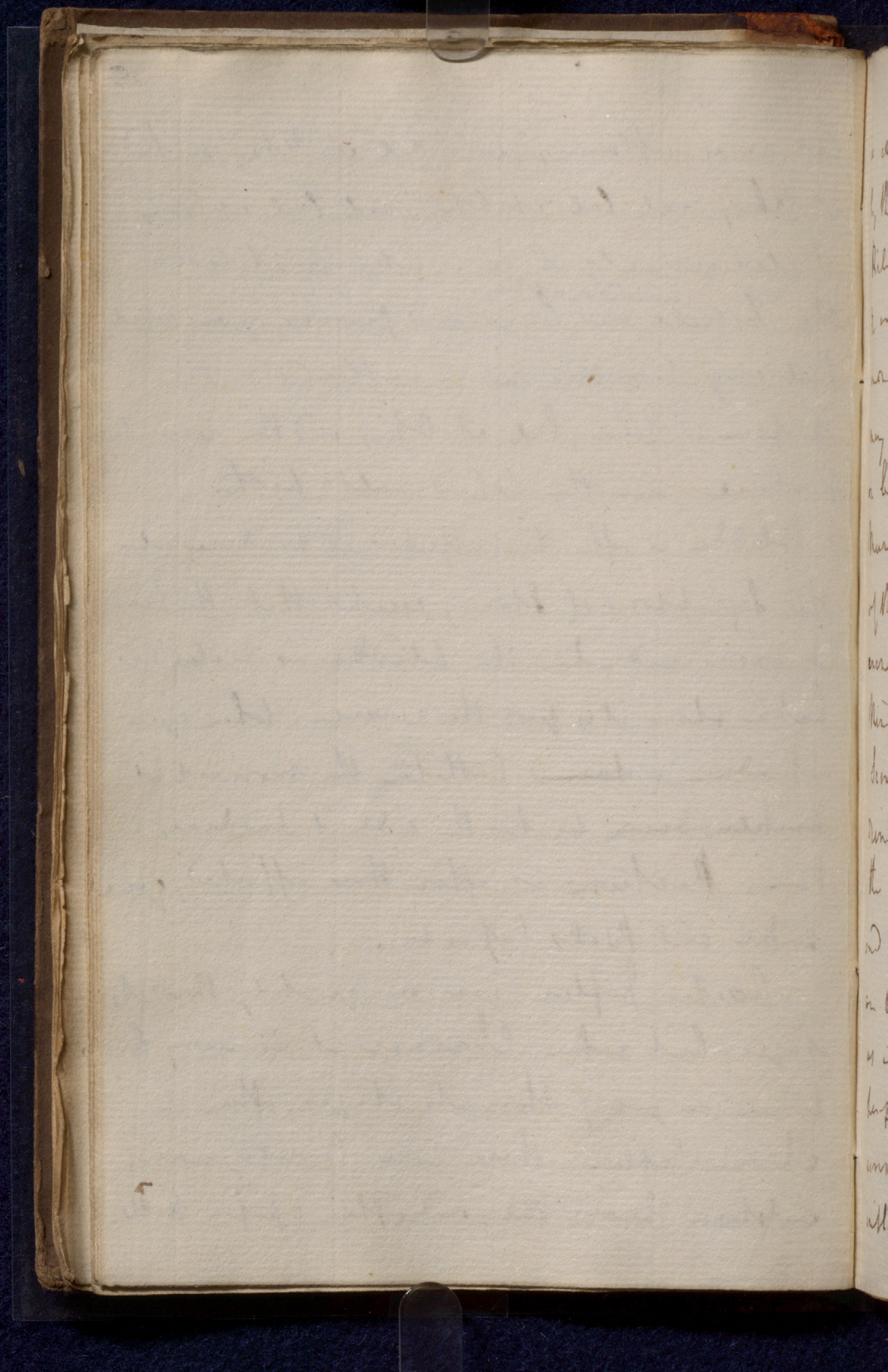
Parts are disposed to an variable inflam.
The eye is the most common seat of it,
it is bloodshot in some parts and clear in
others. Give Hydr Sulphuric & Aq. p.
has done. debility otherwise would be
of no avail. Girls from 18 to 22 are very
liable to this inflam in the breast - swelling,
very tender, hair along the arm to the fingers
it - small heat of - blood in affected

Handwritten text, likely bleed-through from the reverse side of the page. The text is faint and mostly illegible due to fading and the texture of the paper. Some words are difficult to discern, but appear to be in a cursive or semi-cursive script. The text is organized into several paragraphs, with some lines being more prominent than others. The overall appearance is that of an old, weathered manuscript page.

but no inflammation in. but at Rheg or had
 at Rheg, not but at Rheg; not but at Conig
 Males are subject to a like condition in
 the Testicles, ^{namely in the} and hairs and growth, you can
 feel very hard, no is inflamed on the
 surface. Give but at Rheg and the recommended
 posture, use the tepid salt-bath.

Bladder is often thus affected it produces all
 the symptoms of Stone, except that the pain
 is increased when the bladder is distended
 but in stone it is just the reverse. When you
 introduce a ~~small~~ Catheter the moment it
~~troubles the~~ touches the side it produces
 pain. Rectum is often thus affected, give
 Lard and Bals Capivi.

Acute Influx goes on quickly through its
 stages, but when Chronic it is very long
 time in going through its stages, often in
 chronic Influx there is a Conduygenous
 suppuration thrown out, and often a profuse matter



is debilitated. Chronic Inflammation is produced by the state of constitution. Give Plummer's Pills which act on the Liver, Distending Kidney & and restore the secretions. Inflammation is common or Specific. The actions of the body may become changed either by the constitution or by poisons. Matter effused in Gout is Murk of Lard. Scrophulous is the result of the state of the constitution. Inflammation will increase in proportion to the Irritability of Mind as well as the body. After Measles or Scarlatina if a blister be applied the Child dies in London with die in consequence of the post mortem, and here you give calomel and Lister's Nigra. Never urge a Patient to an Abstinence, for they will never do so well as if they wished it themselves to have it performed. Whatever puts the body in an unnatural state occasions inflammation. In inflammation the blood is thicker. Nitric Acid

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being applied to the skin of a child will in 2 minutes produce a blush, and the heat is not felt until this blush appears, if a part be inflamed the vessels are extended, and the action of the vessels in the neighborhood increased, the dilation of vessels is not confined to the part inflamed, but reaches a considerable distance, the heart itself participates in the disease.

Lecture 4th

Treatment of Acute Inflammation.

The means employed are either Constitutional and a Local. When the important functions of the body are disturbed, Constitutional means are required. Bleeding operates in 2 ways, in diminishing nervous power and in lessening the momentum of blood. When a person is bled to fainting the brain is deprived of blood, if you stop the blood as that

A Physician (Pechman) of the City
was to say to me, Cooker my dear
you have only 2 things to do in this
world, namely, for this world to
keep your Bowels open, and for the
sist to have the fear of the Lord
before your eyes. (to laugh)

the bleeding. Blood being both, and better
 depends more on the quickness of the circula-
 tion, than on the force. In that frightful pulse
 which follows profuse bleeding the pulse
 the case looks is very good. To restore
 the different secretions, which are arrested
 by inflammation (the excretions from the liver, the
 milk and intestines, surface of the skin and
 kidney, The length of an intestine is
 27 feet, in circumference 4 inches. 1200
 inches there are of secreting surface. To
 restore the secretions of the liver give
 Calomel. The secretions of the intestines
 Magnesia sulph or oil of Peppermint. Cal and
 Rht Cathartica in adults, and Cal and
 Rheiz in children are the best purgatives.
 Keph means employed to subdue inflor
 is to act on the skin as the skin be-
 comes after the pulse becomes soft give
 Calomel and Antimony. Rub the Combs
 feet in warm water, and drinking di-

Treat of Chronic Inflammation
you must use means which are
by no means active. The result is to
introduce the different symptoms.

best liquor, transpiration acts not only by the evaporation it produces, but by determining the blood to the surface and thus diminishing the quantity of blood in the inflamed part.

By producing reaction you diminish the force of the circulation, and you act on the skin also. Calomel and Antimony are the best medicines. In pneumonia after bleeding Syphilis is good.

Lecture 5th

Treatment of Chronic Inflammation

It is either the result of long continued acute or is under the vapors week, or from deranged state of the Nervous System, or from some suppressed secretion. As much is excreted as is taken into the body,

but when this is not the case there must be local excretion. Chronic inflammation is often produced, from suppressed secretion of bile. If the body be continued

In chronic cases the Hyd. Sul
may be given, it is very beneficial
in Pueris. Calomel per Anus & I
his in die. when it affects the
mouth you stop the Mercury.

The Pil Hyd Submuc Cor. is a
very good pill for restoring the
Secretions. Another good remedy
Hyd of Peps. Let Fastal Co
Mf. At. I have found this
also very beneficial in Obstruction

In children the best is Hypos
can create with Rhos. When
children are weak I give Hyd
of Peps. Let Cinch. 3ij. Laud
3i. his die.

the brain is after affected. If the skin be
dry and hard the patient is disposed to
Chronic disease $\frac{4}{5}$ of the cases of Schizophrenia
I believe arise from an anxious state of
the mind. Turgid disease is after the
result of a disturbed state of mind.

Use local depletion but not general bleed-
ing for whatever weakens the system then
less the disease, see Pil Plummer &
Decoct Sarsaparilla for the pills will re-
store the Chief of the Secretary. Decoct.
Sarsaparilla diminishes the combustibility of
the system produced by the Mercury.

Hydr Argemone $\frac{1}{8}$ of a grain in each
of the Decoct is very efficacious in
Chronic disease. A woman in large
received great benefit (she had Chronic
inflammation of the Uterus) from the following
Rheij $\text{℥} \text{iii}$ Linij Carb $\text{℥} \text{ii}$ Hydr Argemone
 $\text{℥} \text{i}$ Linij Linchor $\text{℥} \text{ii}$ each - each min-
imum bis die et quovis articulo. Schenans

Hydrum can be used and Soda is a
good Medicine in children.

A good Medicine is Rhaz p^{III}
and Stry p^{III} the his die have
five children.

Local Heat of Inflammation
There is an increased action
and distension of the vessels in
the part. Cold produces a
contraction of the vessels, and
diminishes the action of the blood,
but it is an excellent remedy
Cold produces action on the
Nervous System.

and the pyoid disease is at present quite out of the power of medicine, when Schorron is once in the system no medicine can cure it, but after the establishment of Schorron, or alteration plan will present a disposition to it afterwards. When the Nervous System is affected give Ammon Carb.

Rf Ammon Carb 3j Ag Meth vi 3ss.
Tinct London Comb 3ii At Carb with water in his die.

Local Treatment of Inflammation

It is to diminish vascular action and to lacerate nerves, Irritability. Cold does both it occasions contraction of the distal vessels, if a person whose pulse is 85 shows himself for an hour to cold his pulse will be 6, in another hour between 60 and 70 This is a proof of the diminution of Vascular action, he who is exposed long to cold was to sleep and perhaps never awakes. It also abstracts the heat from

The Best Lotion is Hot Vinegar
Liquor. Best heat is by
Plum-bag but not too hot.

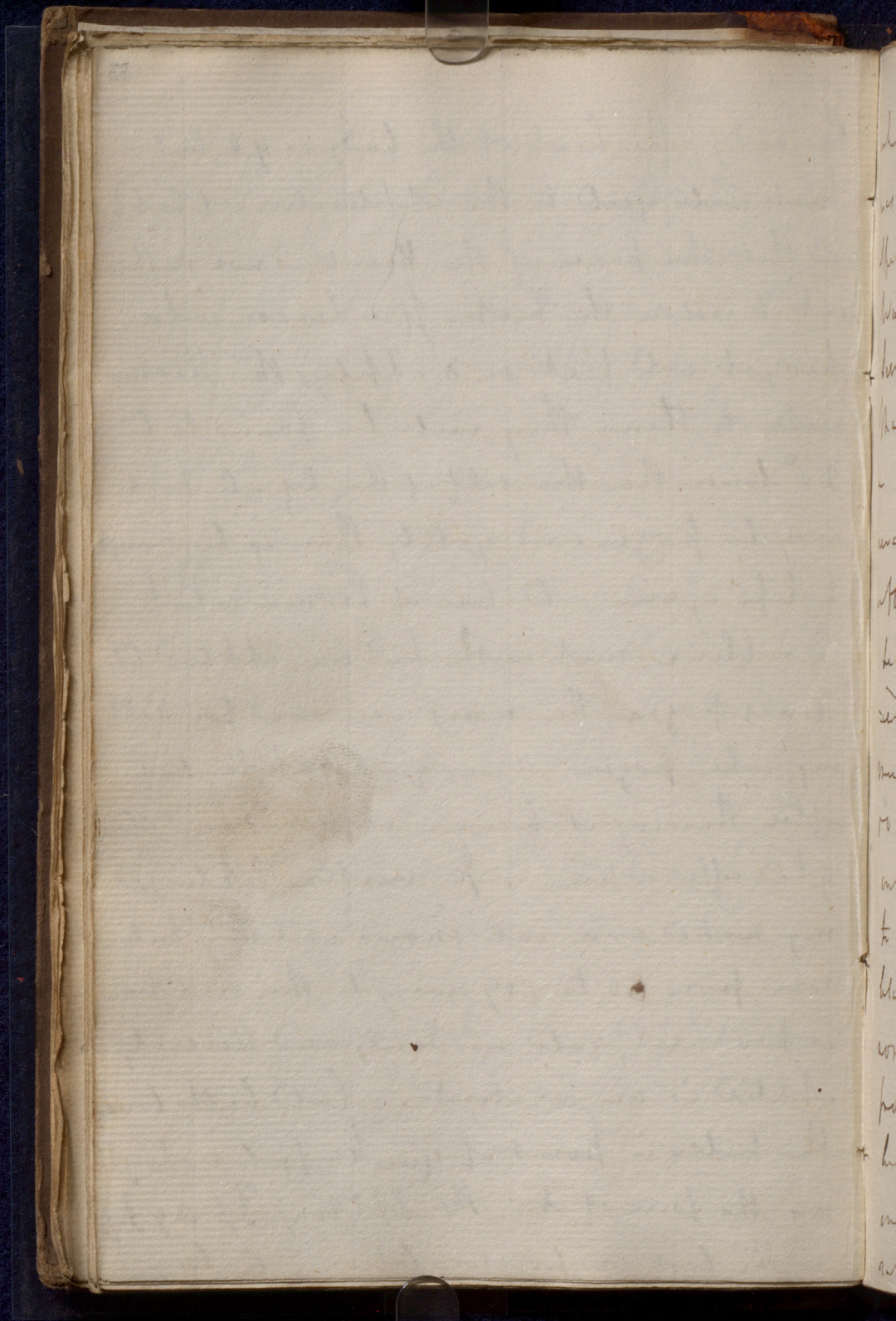
Ice is not desirable it is too
irritable, particularly when dis-
posed to suppurate.

Heat and Moisture will relieve
inflammation, heat alone will not but
increase it. limited by moisture
increases the suppuration.

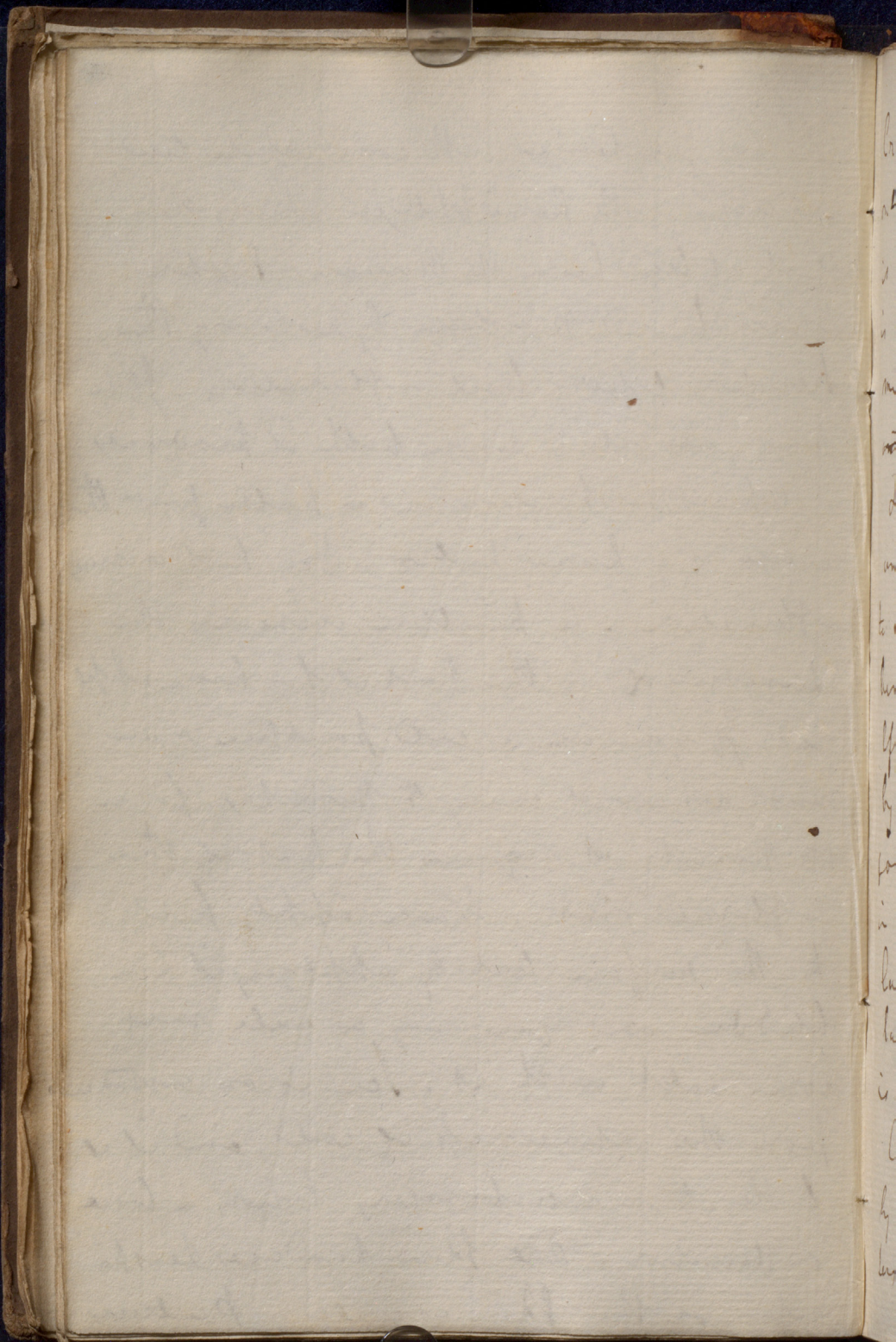
Parties act in this way by
producing heat and moisture.

Heat is produced by the application
of leeches. They diminish the
action of the blood.

the body, the heat of the body is 98 but
 parts will yield to the application of cold,
 so that the power of the heart is not suffi-
 cient to restore the heat. If a person who
 has got cold feet and applies the thermo-
 meter to them they will be found to be
 20° lower than the calf of the leg. A foot
 may be frozen and yet by thawing be brought
 to life again. A case of Rernia which
 Mr Cline met with had ice applied till
 it was frozen, then means were used for melt-
 ing, when frozen it was quite white, and
 after thawing it became inflamed and swol-
 led after a time. In winter I plunged
 my naked arm into snow and my hands
 were from 80 to 90 owing to the irritation
 it produced, cold suddenly and severely,
 applied is an irritant. Cold bath cures
 the hives in point of quickness and strength
 as the force of it. The Spring 3/4 of a 3/4
 is the best exhorting lotion. A boy



who eat gooseberries with some white lead
 was seized with hemiplegia showing the
 effect of lead on the Nervous System.
 Warmth and Moisture by restoring the
 secretory & pers local inflammation. If
 Man goes into a warm bath it produces
 a cutaneous hyperaemia or a pulse just the
 reverse of a hard pulse. Dry heat causes
 inflammation. A poultice increases the
 secretion & in the last is has been abso-
 lute. If you use a cold poultice you
 must renew it every 5 minutes, for in
 10 minutes it requires the heat of the
 inflamed part. Never apply heat
 to the surface but by applying it in a
 bladder and you may as well mix
 some salt with it. Ice is an instance
 from the intensity of cold, and it is
 better to use ice-beries lotion in local
 inflammation. Acid skin produces hyper-
 aemia of the skin as well as poultices



Cerat. Sabor acts also remarkably, and it is only by secretions that poultices do good, it is better to apply them over oil silk, opium is often useful in rubbing pain when mixed with poultices, but Belladonna ~~and~~ ~~is~~ ~~not~~ ~~useful~~ ~~in~~ ~~the~~ ~~closure~~ 6th

Local treatment of Inflammation and Cerat. Saboris &c when applied to a ~~wound~~ ~~or~~ ~~sore~~ painful hot - proves very beneficial. Leeches produce their good effects by evacuating the vessels and by lessening their diameter. Cupping is good in deep seated inflammation, by cutting in persons who live long it often produces carbuncles. In Chronic inflammation the same parts are necessary Argem. &c. &c. &c. is good in chronic inflammation of the eye.

Counter Irritation is used, it is good by producing a sympathetic effect, blisters are generally used then, remove the

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Article and use very Salina. Ant Test
 is often used. R^y Ant Test-3, and 3^{III}
 Very Salina 3; ~~At~~ let it be rubbed under
 vessels on prostate. Issues and Setons are
 used as counter-irritants but are now
 deservedly discontinued. In diseases of
 the Testicle and Hip Joint Issues and
 Setons are good, but the general health
 is the principal object to be attended
 to. Setons or Issues on the Knee and
 Ankle Joint are very dangerous, by exciting
 inflammation in the joint. Blistering and
 Ant. Test- best applications. Blistering
 if carried too far act on the System
 and produce fever. Attend to the posture
 of the inflamed limb and never let it
 depend at all. A Lady had a bleeding
 from the Kidney I desired to keep the
 recumbent position which she did and
 it ceased. If on arm be inflamed let
 the hand be laid on a desk higher than

Bals Cochato 31

Potals Nohas 31

Tend Hyosy 31

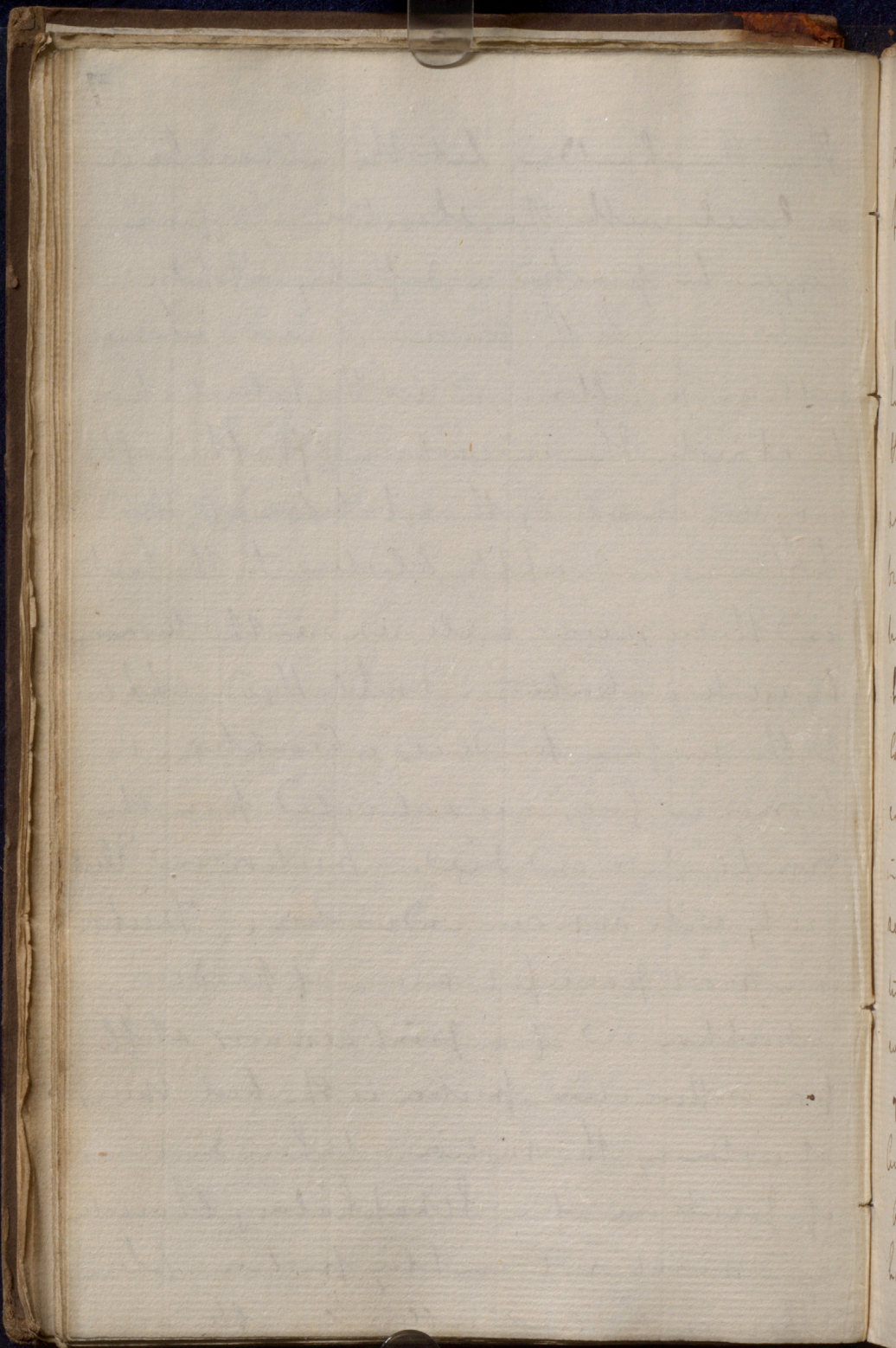
Pals Laccanth 31

cy North Wind 31

Pals 31 In die

supplicatoris at bed 4

When the shoulder let the elbow be on
 a level with the shoulder. If your
 finger be pricked in deepening a phlegm
 which lead to the wound it will produce
 inflammation. In inflammation let the patient always
 be at rest. The inflammation left after the infla-
 may be removed by the exhibition of Hydr.
 Submuc and apply blisters to the parts
 and these means will remove the tumour
 by exciting absorption. Rubbed Hydr. applied
 to the surface produces absorption. A
 woman in Guy was relieved from the
 Gravel Stone and died. Friction and Heat
 will remove inflammation. Friction
 is a most powerful means of producing
 absorption, and if a joint remains stiff
 from inflammation friction is the best means
 of restoring the motion. When diseases
 of joints are of a Sympathetic character
 you must not employ friction. When
 there is the least inflammation the use



accident in a joint use the debilitating means
for a month than use friction.

Lecture of the

On adhesive inflammation, or sticking parts
together which were naturally separate, when
the circulation is quick the blood coagulates
slowly and divides into 3 parts serum, fi-
brine and leucopentum in which the red cor-
puscles are, what happens out of the vessels
happens in it, when fibrine and albumen are
coagulated there is no chemical test to dis-
cover the difference. The solid effused
in the adhesive process is not from the
serum, albumen has no power of coagula-
ting spontaneously, but fibrine has which
when drawn from a vessel will coagulate
quickly if not surrounded by being abso-
lute but if it is it coagulates in 3 hours
All those surfaces which are in contact
have a tendency to adhesive inflammation

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and in those which exude ~~mucous~~ mucus
have a tendency to separate. Cellular
Membrane effuses only a solution into its
cells, but when inflamed it pours out fibrin
and produces adhesive inflammation of the cells,
after a time the fibrin is effused and
the cellular mass regains its natural state.

Membranes, excluding serous only, are sub-
ject to adhesive inflammation. Altho the seat
adhesive process of the Pericardium is often
removed from, the suppuration is seldom or never.

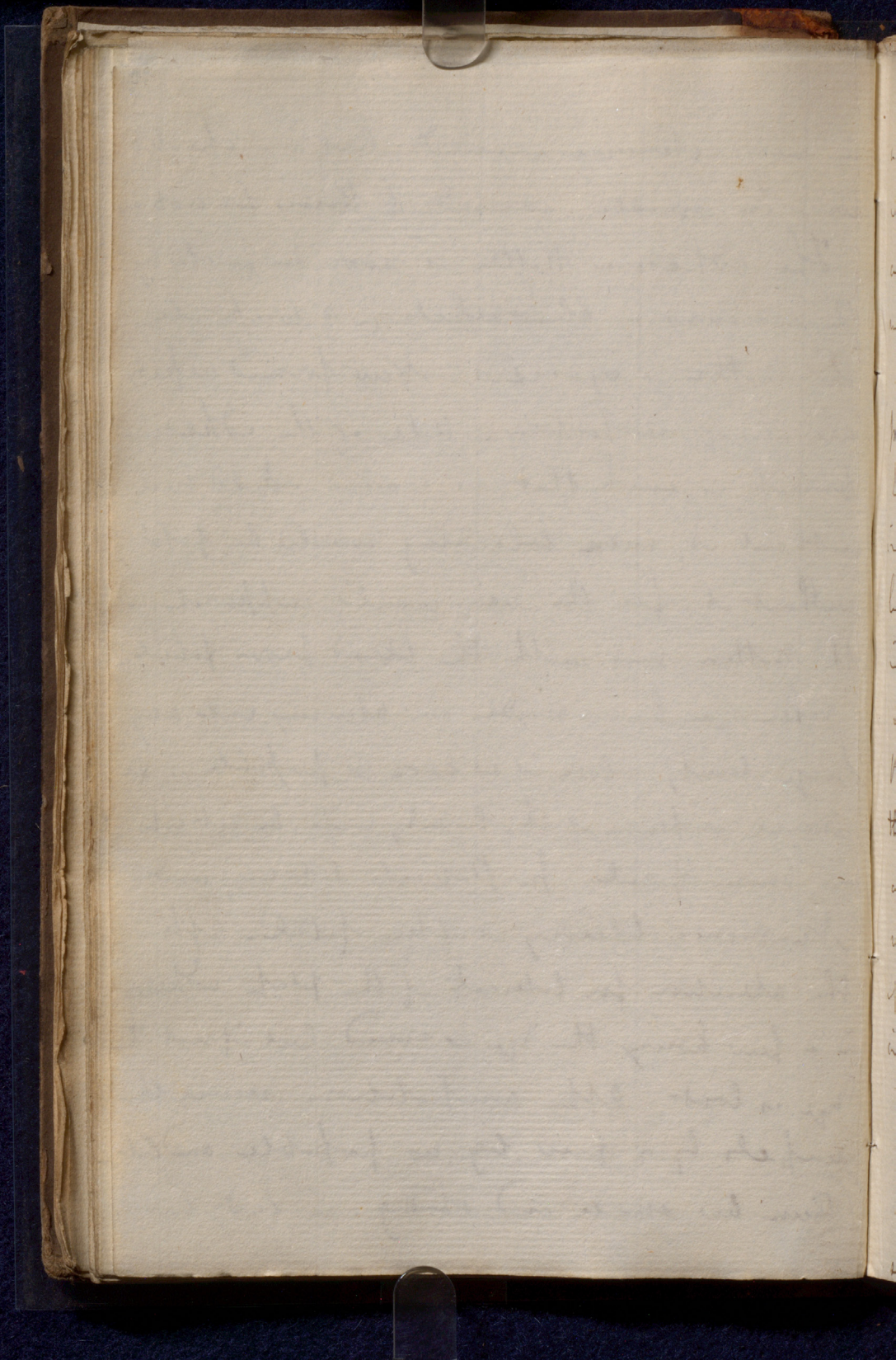
When fibrin is effused in the body it forms
a net-work, whenever blood coagulates it
forms the same appearance by using a
No 6 common Microscope you may see this
net-work formed, coagulation is very similar
to Chrysallization. When a blister is ap-
plied the skin undergoes the adhesive inflamma-
tion in 19 hours the fibrin may be effused

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in very extensive wounds, but in a shorter
time in smaller wounds 6 hours for exposure.

The adhesive matter is soon absorbed by
the surrounding blood vessels in 3 weeks, and
the matter is organized. New formed vessels
are always reformed. Use of the adhesive
property is such that no wound would heal
without it, even bleeding would be fatal
without it, for the vein would suppurate and
the matter mix with the blood from the fatal

When you have made an opening into any
large cavity close it as soon as possible, or
general inflammation of the cavity will be set up
and become fatal. In Puerperal labouring under
Neuronic bleeding is often fatal. After
the operation for laceration of the flesh adheres,
in a few hours the eye is saved, but if not the
eye is lost. After amputations secure the
vessels by a fine lig. as possible and let
them be small and strong. A Lady had



a tumour on her breast a twelvemonth after
 I had taken off a Leg, and it proved to be
 a ligature which was left on a vessel which
 was the sole cause of the tumour. Having your
 ligature remove all coagulum for it will
 prevent adhesion then bring the surfaces accurately
 together let the stump be kept cool, and
 in summer always apply wet clothes and
 let the stump remain 6 days before dressing
 it, if it sh^d be easy, about the 12th day the
 Lig loose, and on the 14th come away, and if
 they do not you may use some force to shake
 them, for there is no danger of producing bleeding
 after 14 days, when the ligature remains
 very long there is either a nerve or a part
 of a tendon enclosed. Lord Nelson had a Nerve
 included after the arm was amputated,

Lecl 8th

When reflexious bodies are introduced into
 the body they produce adhesive matter which
 surrounds them and this matter not being

Suppuration when produced
- the form of an abscess the
constitution suffers materially
rigors occur, succeeded by heat
and prostration, when the rigors
are present the heat is transient
there is one heat - more pronounced
than another and there is a blush
The pain is Pulsatory.

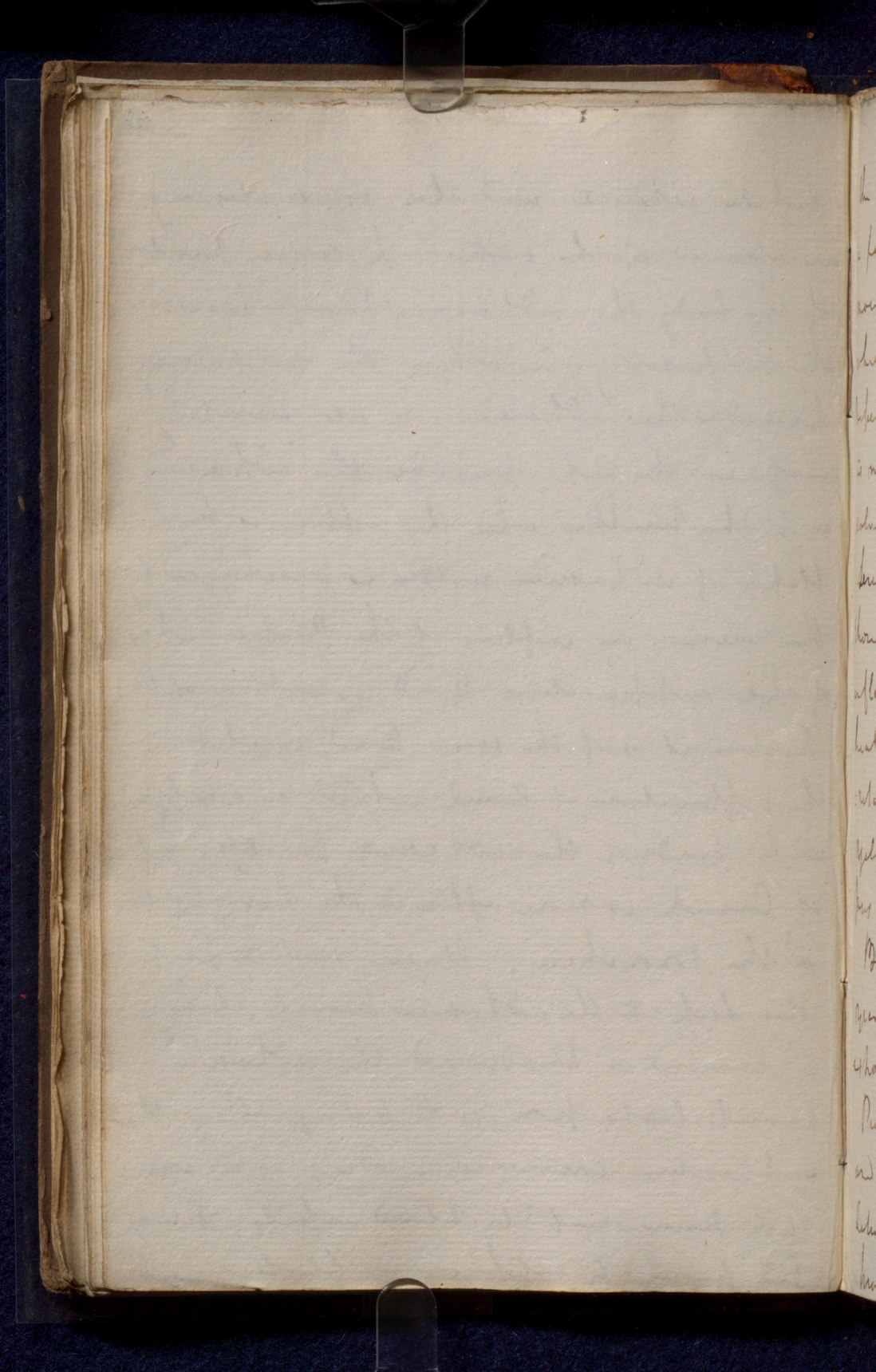
contacted by them they remain with impunity
unless in the neighbourhood of some nerve

A large cavity is often divided into 2 by
adhesive inflammation and this under the
influence of less extent. As soon as ad-
hesion takes place a Fever is produced
rigor succeeded by heat and then by desquamation
during the rigor the surface is pale and
cold, voluntary muscles are thrown into ac-
tion from the blood being diminished in them
the blood is accumulated about the
heart which circulates it and then the
blood is thrown with increased velocity
to the surface, this effort at length ceases
and desquamation ensues, whilst the consti-
tution is thus producing efforts to form heat
a throbbing in the inflamed part follows
and a dusky hair, a blush on the sur-
face is then observed which indicates dech-
rected matter, one hand of the swelling becomes
prominent, then it fluctuates, next the

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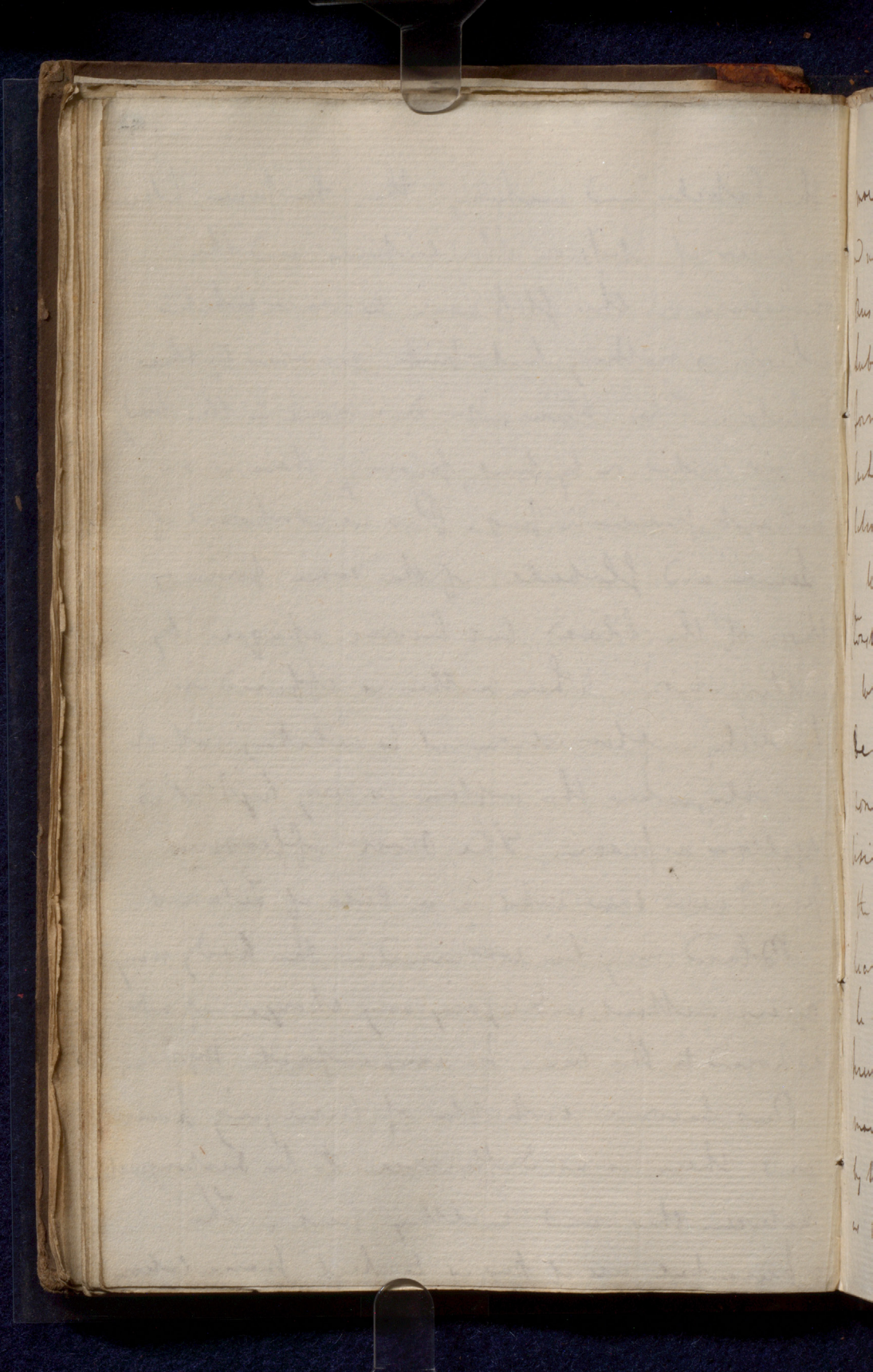
tubule adheres and the small openings
 are observed on the cutis. In certain parts
 of the body the adhesive process precedes
 the suppuration, in others the suppuration
 precedes the adhesive. In all secreting
 surfaces the sup precedes the adhesive
 as in the Urther when the inflow is high
 flakes of adhesive matter is discharged by
 the Urine, in inflow of the Rectum it is
 of the suppurative kind, in inflow of the
 Rectum it is of the same kind, except in
 the inflow of blood which so excites
 as to produce the adhesive process. Inf
 of Crank is more often in the Larynx than
 in the Bronchia. Ulcers surface keeps
 the sup to the adhesive process. When
 a wound is produced the adhesive
 process lasts from 4 to 6 days, then the
 suppuration commences. Pus is a secre-
 tion named and by blood vessels, it may
 be known by applying a blister, removing



the outside and within the surface, place a piece of flax on the surface and the moisture on the flax soon becomes white which is nothing but pus secreted by the vessels. The thinnest membrane in the body is not acted on by pus, proving there is no solvent power in pus. Pus is composed of serum and globules of the same form as those of the blood, but become shagreen by inflammation. When matter is effused in healthy inflammation it is white, not irritable, when the inflam is very high it is yellow or green. The most offensive pus I ever saw was in a case of Ulcerated

Blood may be contained in the body many years without undergoing any change if not exposed to the air. In uninfected Hyems,

Pus becomes capable of conveying poison, and there is no difference to be distinguished between this and healthy pus. The principal use of pus is to heal granulating



moist; without the surfaces would be dry
and vessels would not be able to enter them,
But also forms openings for extraneous
substances. Penetrations are sometimes
formed by pus, under which matter is col-
lected, and vessels shoot into the granu-
lations under it - and the sore thus heals.

When matter has been produced long ^{body} the
constitution suffers if the secretion be stopped.

When and old sore is healed since two places
be. Mr Wilson a lecturer here
some time since was subject to the malig-
nancy which alternated with ulceration of
the radius, for when the ulcer on the arm
healed the pulmonary affection returned,
he therefore kept the ulcer open and thus
prevented an attack of Pneumonia. The best
mode of promoting a secretion of pus is
by the application of heat and moisture
as by poultices and Tomentations. —

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Lecture 9th

Ulceration is the absorption of some constituent part of the body, and may occur without suppuration. As the action of the Heart and Arteries increase in inflammation so is the action of the Absorbents in ulceration.

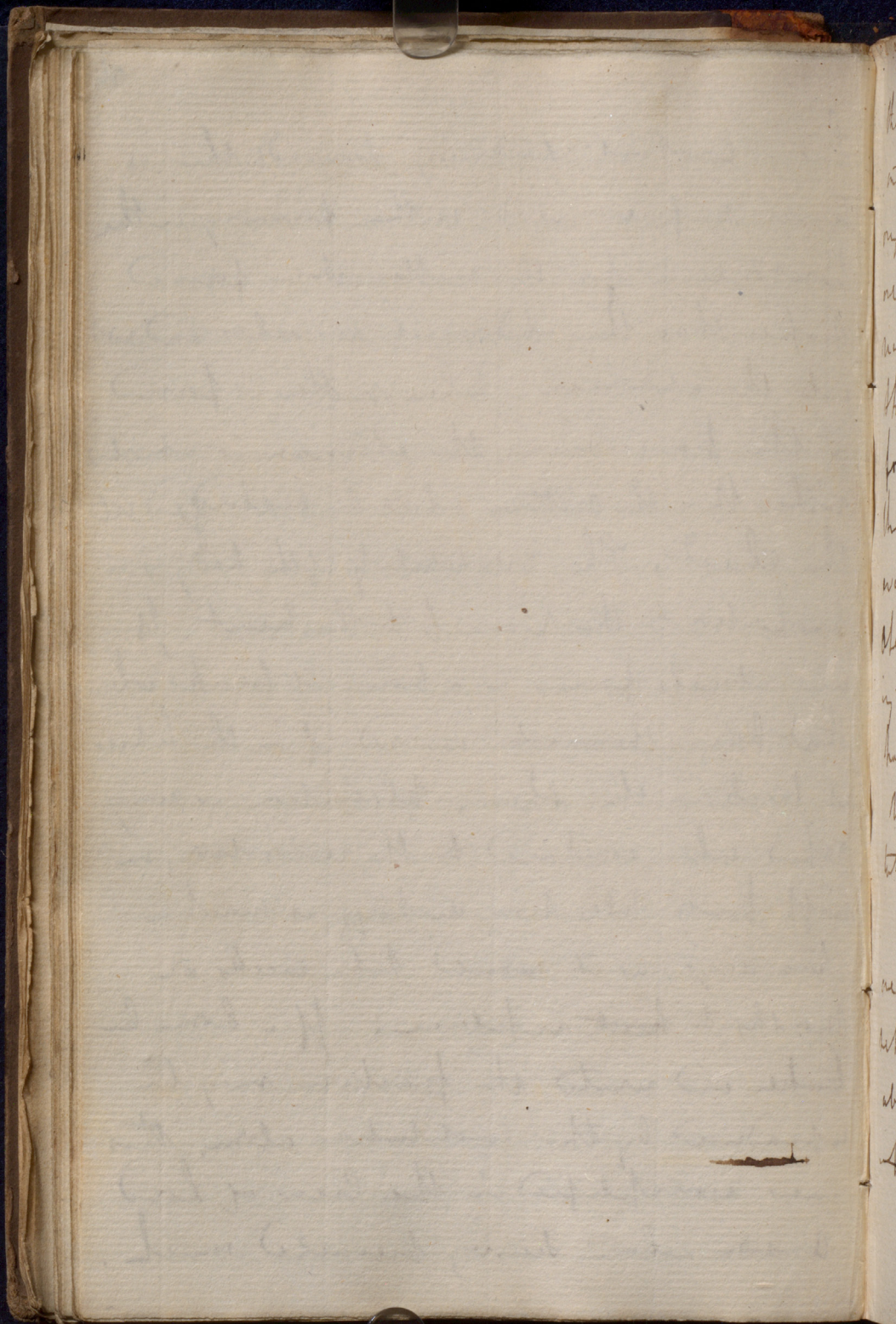
Pain in Ulceration is of a gnawing kind and not so acute as in suppuration. When pain is felt the Constitution is always somewhat affected. The cause of Ulceration is inflammation united with pressure, if the inflame much a little pressure is sufficient and vice versa. In Hydrocele if it has existed long the membrane is thickened by the pressure of the water, but if the water be in large quantity the pressure is increased and ulceration occurs and the water is discharged.

In aneurism if you examine the heart if exists and by pressure the ulcerative process is set on. The ulcerative process

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47
46

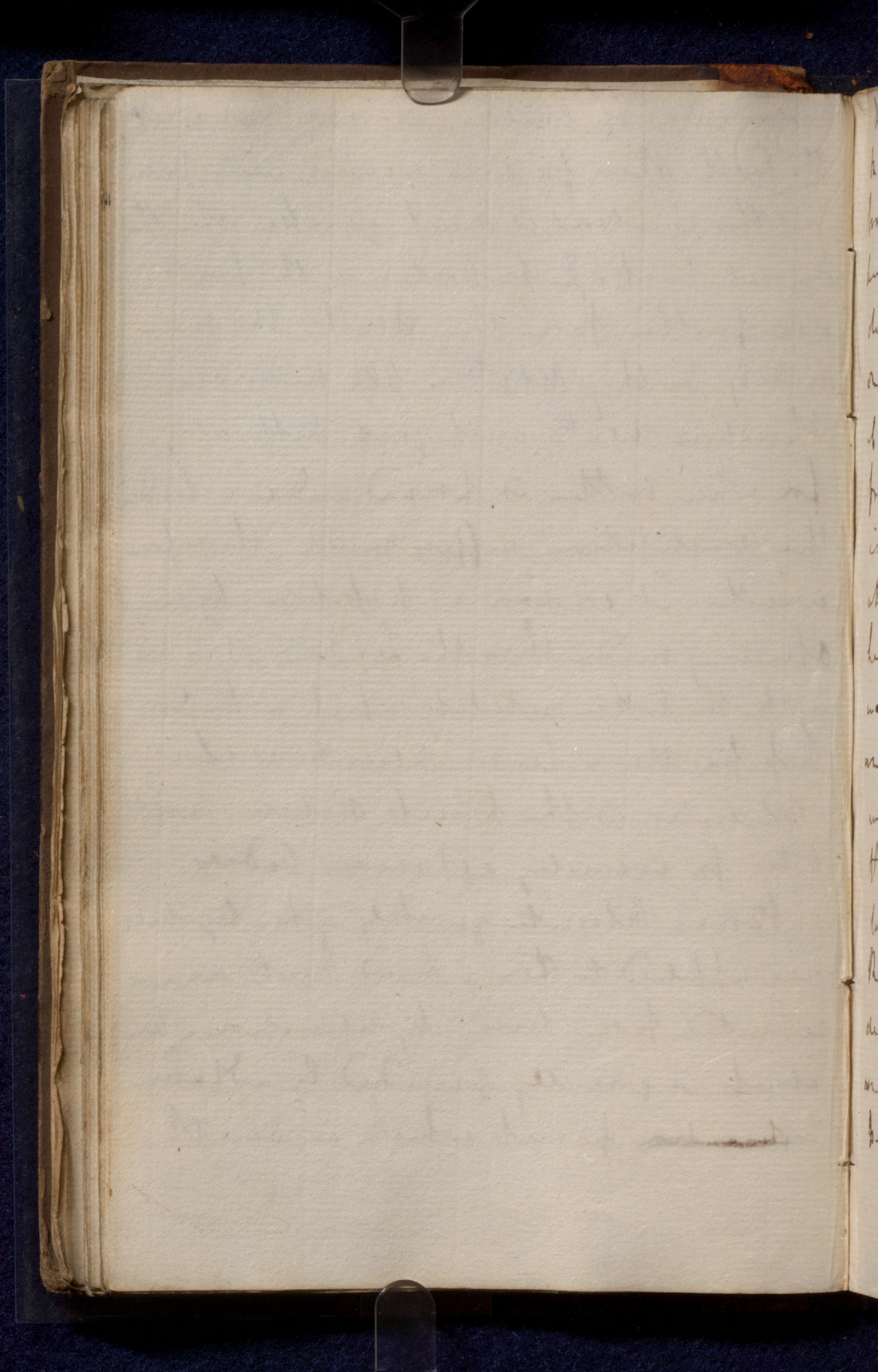
has a constant tendency towards the external surface, as in matter forming in the peritoneum for the matter there formed passes thro the abdominal muscles and not into the abdomen. When matter is formed in the pericardium, the sternum is absorbed rather than the matter shall be discharged into the chest. The vulnerability of the body is in proportion to the nearest to the heart. If an abscess forms in a bone it breaks when that bone is thinnest covered, if in the tibia it breaks on the skin. Ulceration is very rapid when compared to the restorative, in soft parts ulceration destroys is much in two days as it would take weeks or months to ~~be~~ replace. If a bone be broken and united the fracture may be repaired by the constitution alone, this was exemplified in the crew of Lord Anson when survey proceeded much.



The lungs of children are cut not to let
the loath thro, for new excretion will form
and this is absorbed much quicker than the
original hurt. In proportion as the lungs
are further from the Heart - the more
readily do they Melt. All tendinous
structures Melt with great difficulty,
for when matter is found under a tendon
the constitution suffers much therefore
excise it as soon as possible by an
opening made thro the Tendon, it is owing
to the little vascularity which a tendon
possesses the a tendon Melts so slow.

Melioration is the process Nature insti-
tutes for evacuating effluvia bodies.

Bones Melt quickly when ligatures
are applied to them; Dead parts are
separated from living by Melioration. An
abscess is usually preceded by inflammation
~~the~~ process which renders the



48
Not solid, by fibrine, a small oval of
matter is absorbed in the middle which makes
impure or the surrounding substance, absor-
bion takes place and more matter is
absorbed. The danger of abscesses depends
on 3 circumstances, size is one, Abscess
of the liver are the largest ever recovered
from. Abscess of the fasci like psoas
is kept in size. Seat of an abscess is an-
other cause of danger, A woman scratched
her throat with a razor bar, which
was followed by inflammation and died, for
an abscess was formed behind the Pharynx
which caused the Pharynx to break on
the Esophagus and thus destroyed life.
When matter is formed between the
Rectum and Prostate gland it is of badness
death by causing retention of urine. Abscess
are fatal for their number is in male
boy. Abscess are either acute or chronic

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A Lady from Sussex with a tumour in ⁴⁹
her breast, fluctuated very evident, it was
punctured and matter evacuated, now this had
been 7 months in forming and the constitution
had not suffered. Abscesses are healthy;
or unhealthy, Paracelsus is unhealed
the matter in it looks like flower mixed
with water. In Scrophulous the matter
is mixed with flakes of adhesive matter.

Poisons produce matter which resembles
the same disease as in ~~Scrophulous~~ Syphilis.

A Gentleman who was dissecting a horse
(with the Coleman) and hurt his finger
it inflamed, abscesses inflamed and the abscess
broke down on abscess formed just above
the Elbow, another on the Scapula, the
matter taken from the arm was applied
to the horn of a ass and it produced fluen-
za in it so that the animal died in less
than a week. This young man went to

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50
Broughton better, had a abscess in the lungs
which he survived, another abscess on each
leg, he went home to Conydon, another
abscess had the matter from the leg applied
to it and died of Gangrene in 10 days.

Lecture 10th

Treat^t of Abscesses. Lig. Ammon
Acet 3℥ Tinct. Olij ʒ℥ + in West Lambth
to die or subside with the paper. held
3℥. Preserve heat and moisture on the
part by applying bandages or oil with
rilk for this prevents excoriation and does not
dry, remove it every 12 Hours. If the pain
be much and the constitution suffers in
acute abscesses it is best to open them.

When an ~~opening~~ abscess is under tendi-
nous structure the earliest the opening is
made the better after feeling fluctuation
when matter is between the herniotum and
bone the earliest the opening is made the

51
better. In chronic abscesses you must
stimulate your back and lumbar. Diet
wine and animal food and use Sherrin's
Foam to the part itself. Put a little
savourful to a pint of water and rub
your back with this, wine, vinegar or
common paraffin. When these abscesses
are situated where the ~~scar~~ Scar is very
evident - a conspicuous it is better to open
them as soon as possible. When the
flaps of the neck are enlarged and you
feel fluctuation before the skin is dissected
make a small transverse incision and
the Scar will be buried in the wrinkles of
the neck. If the skin is become
hard do not open it, but let nature
work her own way. When you have
made a cleaning wash out all the matter
you can. Then apply either Lister's or
a Paraffin, if you think there will

52
be much suppuration subs in every day
- broken to prevent the surface healing.
When you open these large abscesses under
Lundon apply a roller above and below
the opening and bring the surfaces in contact
after the matter is evacuated. When you
open Lundon or Psoas abscess do by lapping
as Mr Abernethy recommends. After opening
abscesses there are hectic flushes ^{occurring}
in about 3 days, these symptoms do not
arise from absorption of matter but hectic
occurs when matter is not-formed. A
Woman who had lost her leg, complained of
pain in the knee, and hectic symptoms
came on, the knee was unpalated and no
matter was in the knee or in the thigh
bone, but the cancellated structure of the
thigh bone was inflamed. If matter be
absorbed it does not affect the system.
Mr Clin gave Synt. in Psoas abscess and

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53
produced much absorption of the matter, but
no Hætic occurred. Hætic is the result of
Irritability in the system a small sore
on a blood vessel - produces the most violent
hætic, while large abscess in unimportant
parts do not affect the system at all.

Why does inflammation succeed after opening
abscesses. Not from the admission of air
for air cannot produce inflammation on
any part of the body, but inflammation that
ensues is only, from putting the part in
an unstructured state from the division of
the blood vessels. If a Man has torn
thru the London Achilles and the ends be
brought in contact the cure does well, but
if the parts be not brought in contact violent
inflammation ensues, and it has to heal by
granulation. The adhesion breaks is re-
sisting to prevent violent inflammation.

Capsularization is a bundle of vessels

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secretory matter. Granulation on a spot
 is large and bright - if the core is healthy and
 of a florid colour, at the root arteries are
 entering granulation, but this artery
 spreads as it enters the granulation, being
 held by these arteries and that loose
 blood which is not formed into matter
 is conveyed back by these veins. Ab-
 sorbents also accompany these arteries.

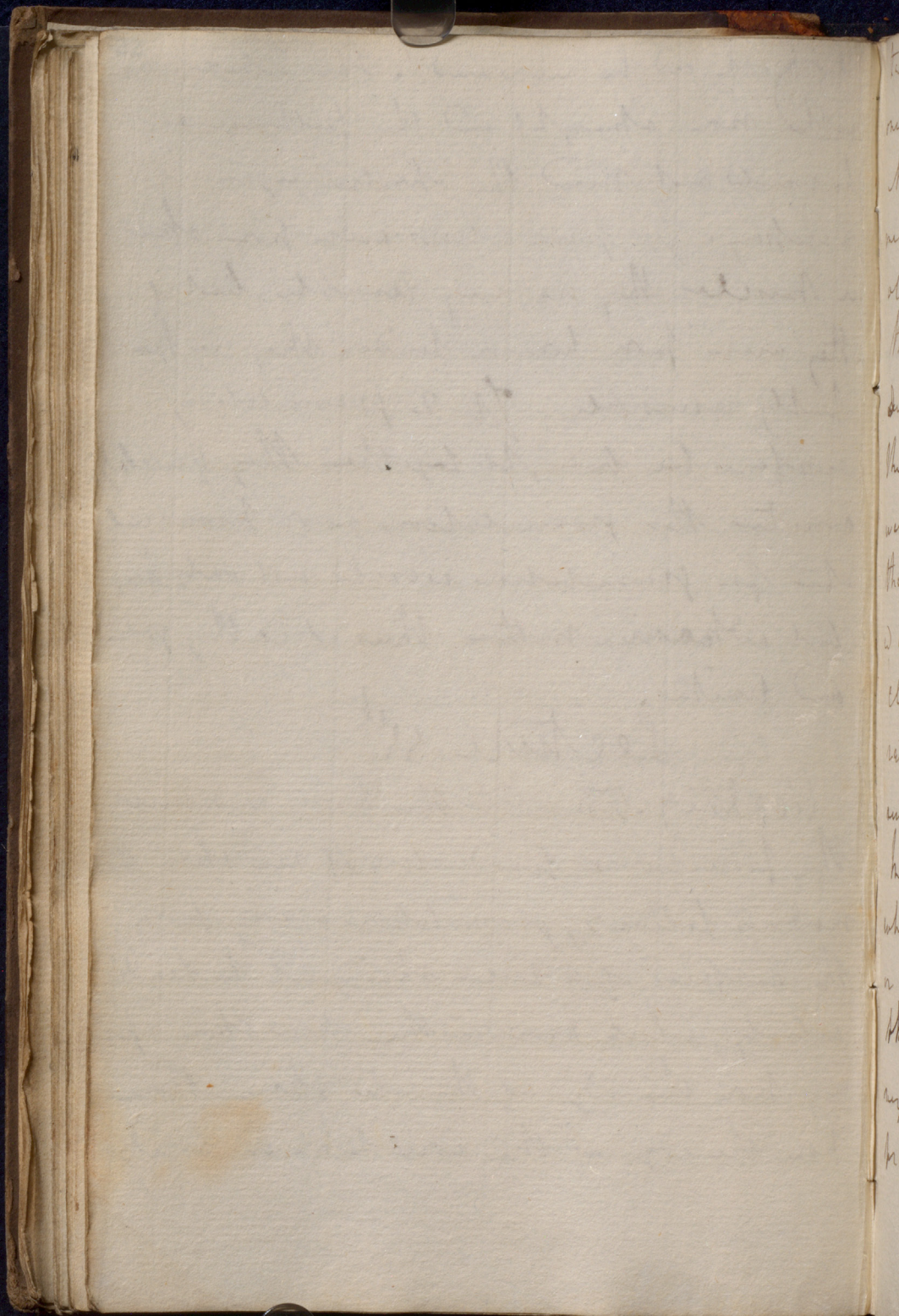
Opium and arsenic when applied on
 large surfaces easily effect the system
 by the action of these absorbents. By
 the application of Opium to a burn I
 have seen a Child killed. A Gentleman
 had ~~been~~ Bow shins he went to Mr — to
 have his legs made straight, the man
 made a log cut — and rested the shins
 bones, when granulations arose this man
 applied arsenic to the whole surface, the
 Paralysis and the puerile limits. I sent him

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to birth and he recovered. The Latices were
rather more straight and the luteum and
he would not mind the operation again is
necessary. If granulations arise from skin
or muscle they are very sensible, but if
they arise from bone or tendon they are ha-
rully insensible. If 2 granulating
surfaces be brought together they quickly
unite, the granulations soon pass and
the for granulations secrete not only pus
but adhesive matter, thus it is they grow
and unite.

Lecture 58th

Cicatrizatio. By this term is meant
the formation or production of new skin, the
mode is follows, granulations arising from
the surface of a sore spring up perpendi-
cularly, which produce the new skin spr-
ing from the edge of the old skin, those
from the edge of the sore take on horizon-



the direction and unite with the surface ones and thus the new skin is produced.

This skin thus produced is at first extremely vascular and red, but as it becomes older, it gets whiter and less contracted.

Thus different states of Scars arise from different states of the wound surfaces at first the surfaces are very large, but are afterwards diminished in number, and those that remain have their diameter diminished also. Skin thus produced forms the cuticle like the old skin and blisters will raise it causing vesications. The process is extremely slow in its production.

In a Negro skin is a long time red then white. The mucosum is not produced on new scars but on the old ones, as the skin is undergoing a process of contraction very considerable deformities are often produced as in burns and scalds, the chin

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

is often united to the breast. A Man who ⁵⁷
views this superficially would say that this
was the Medical Mass fault, but I say
it is impossible to prevent, it occurs often
after the sore is healed. I attended a
young gentleman with a burn on his fore
head is healed without any considerable
healing, but about 2 months afterwards
his father called on me to see him and
I found his forehead considerably wrinkled.
The treatment in these cases is to do all
you can to prevent them. Chin and
and back you cannot prevent - but -
legs and arms you may, the patient should
wear a splint on the back part of the arm,
or thigh and you may thus prevent the
union or rather deformity, when con-
traction is produced if it is a thin film
you can by an abduction give considerable
relief as by cutting the arm from the

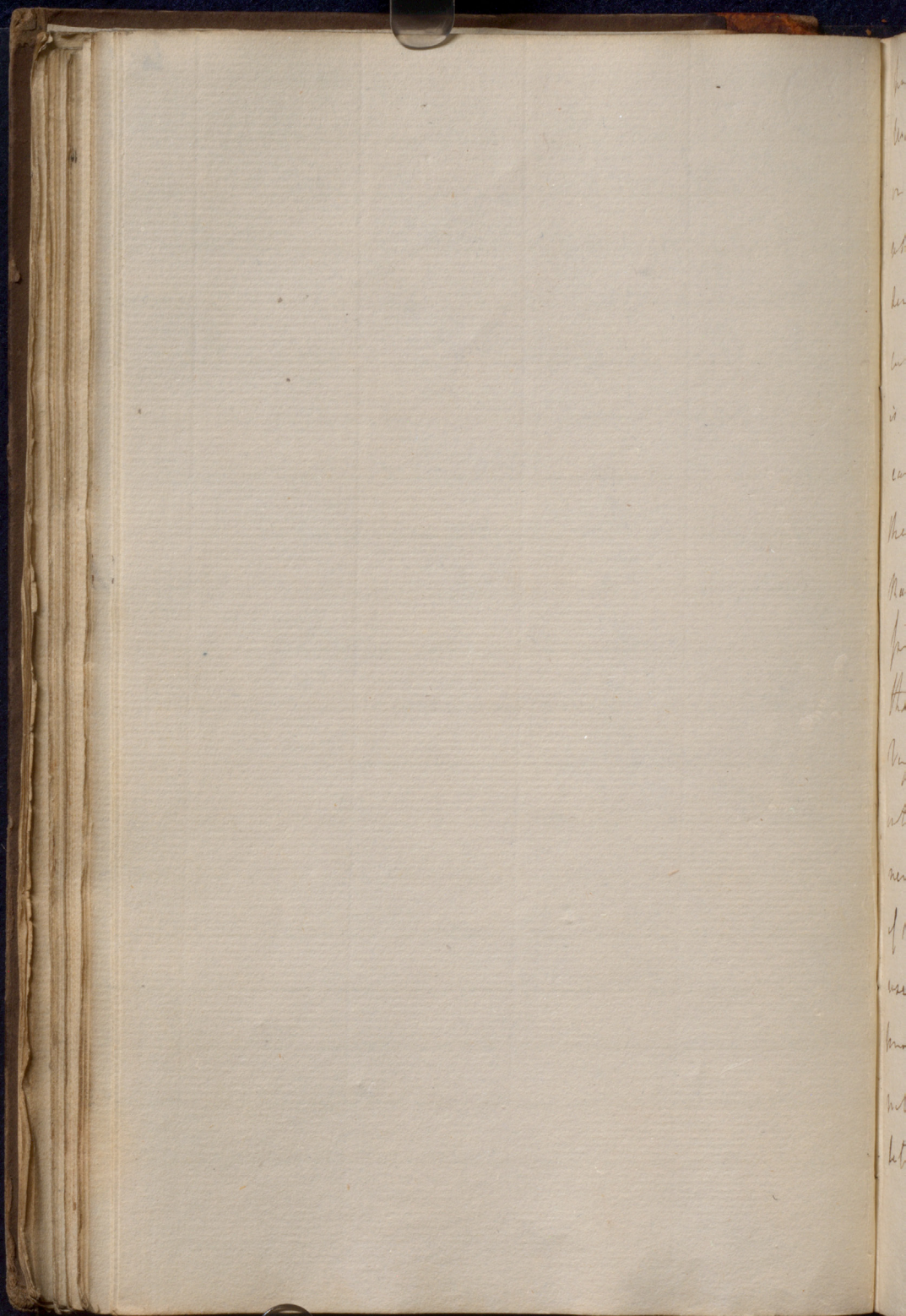
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either here, but in those cases of the chin
and breast skin perform an operation for
you can do no good. I have seen operations,
repeatedly, performed without the least
success. If there is only a thin film you
may release the parts by cutting them.

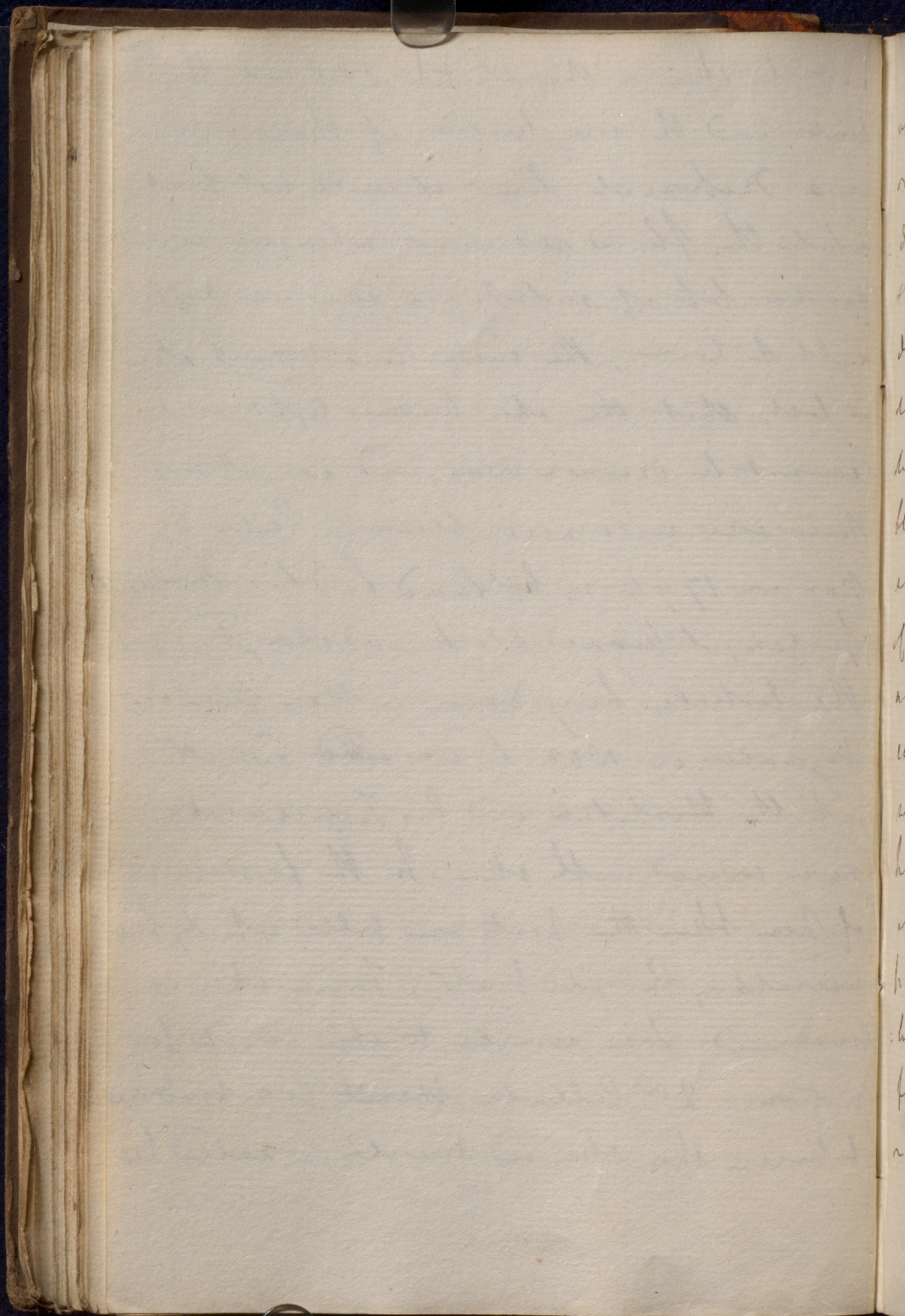
It is said new skin can be produced
independently of old skin, as a piece of
skin in the centre of a sore unconnected with
the edge thus @ I have seen often, but there
is no power of covering a part independently of
old skin. I was made of producing it a sore
which had healed to the centre, then came
to another and Ulcer. It appears as
to have been healed but there is a small life
in the centre which when parts heal appears
in the middle of the sore. In syphilitic
sores you often see an insulated piece
of thin old fungus called these nubby
sores, what they meant by it was it looked

59
irregular like a mole, a sore is heavily irregular with eat thro' a part of the skin & insulate it, so nature in the body can no longer produce new skin, but from a portion of cutis. We might see, in different & different circumstances, even when a person is healthy the sore will not always heal. A sore 12 inches long will heal more readily than a small circular sore, the reason is it heals by vessels shooting from the vessels, thus the longitudinal sore has but a short distance for vessels to go to the centre. Sores are prevented from healing by the skin being hurt on the stretch, when amputating we never think of saving the muscles. I had a man with a sore on the scrotum it showed no disposition to heal or close, at last it struck me that the man had a disease in the Tunicia vaginalis tested and he had water there, which keeping

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part the skin on the stretch. I let out the ⁶
water and the sore healed, if there is soon
or a Described limit it will not heal
while the fluid remains, whenever consid-
erable loss of substance sores are diffi-
cult to heal, the cause is so much skin
is lost, that the skin becomes tight and
cannot be drawn over, and sometimes
these sores will never close. Case by
Man in 1794 in Holland had his scrotum
frozen, it turned black and sloughed, and
the testicles hung down in their tunica
Vaginalis in 1802 he was ~~admitted~~ admitted
into the Hospital and his Testicles were
never covered with skin. In the formation
of new skin the parts are filled up by parts
assembling the old parts. True skin is
produced like similar to skin in its for-
mation. 2nd Cellular Membr is introduced
between the skin and muscles, a suture by



62

turn is first produced and becomes gradually absorbed, and till then is produced as originally formed, Muscles are not reproduced instead of muscle a tendinous structure is formed. Tendons are reproduced a little larger and with some degree of thickening. Arteries when divided the place is supplied with new blood vessels, but generally the old ones are elongated, enlarged, and supply the place of new ones, but now and then new vessels are formed. Veins too have their blood carried on by anastomosis as in arteries. At coarctations ~~are~~ are formed on the same principle. Nerves are reproduced and the appearance of a ganglion are seen in new parts, a long time elapses before sensibility is reproduced. Little Nerves are formed in 3 months. Large Nerves a year or more in forming. ~~The~~ Kosciusko the

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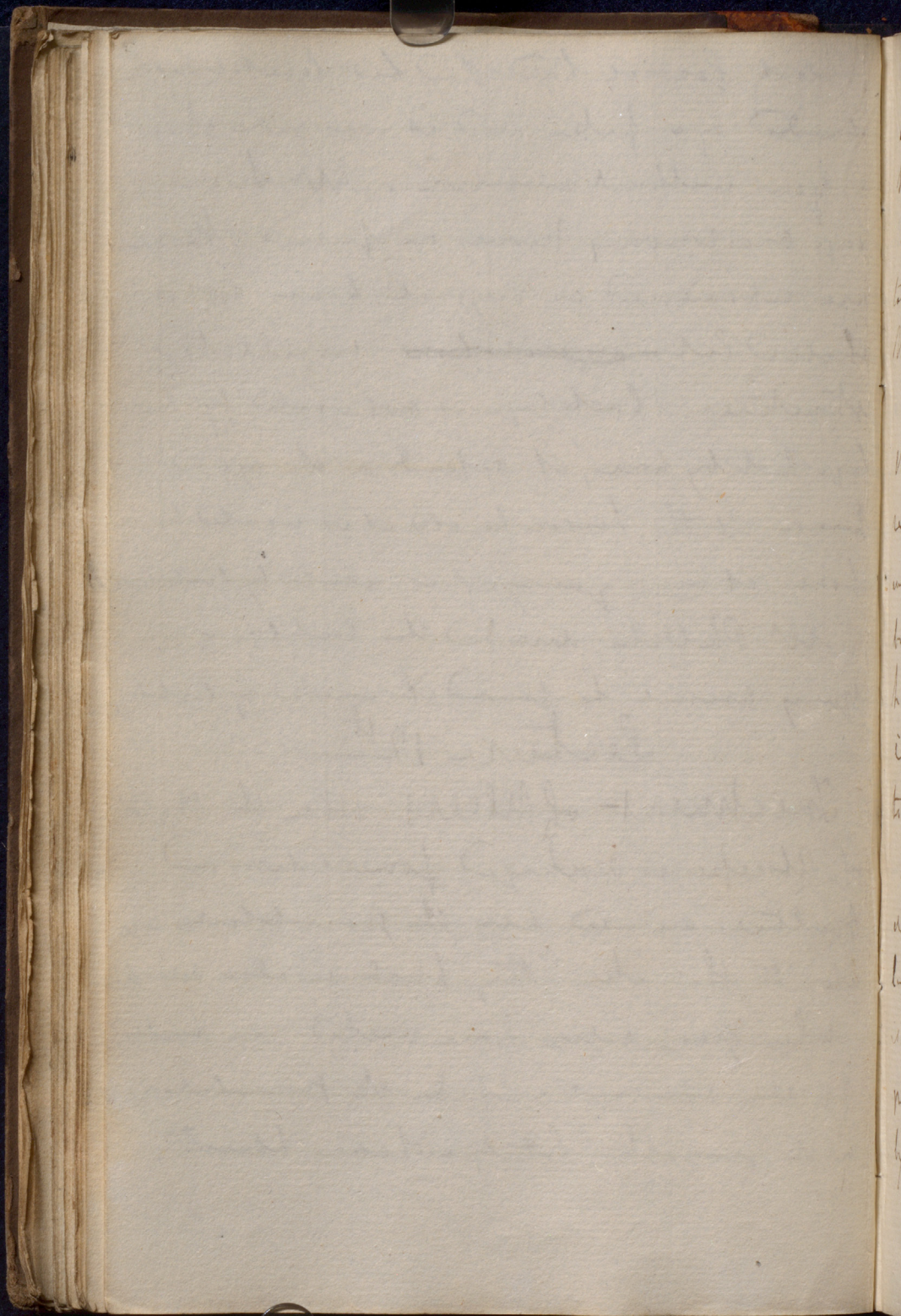
Polist General had his Lucatic horn⁶³
divided by a pipe and it was more than
a year without sensation. Mr Swan
says anastomosing nerves are formed. Bones
are reproduced as original bones not only
shelled but ~~organized~~ calcified
structure. Cartilage is not united by cartilage
but by bone, it depends on the age of a
person, if the person be old it is united by
bone, if very young it is united by cartilage.

Mr Phillips divided the cartilage of a
young animal he found it united by cartilage.

Lecture 12th

Treatment of Ulcers. When the matter
of Abscess is discharged fomentations and
poultices are used till the granulations rise
up to the skin the granulation also secretes

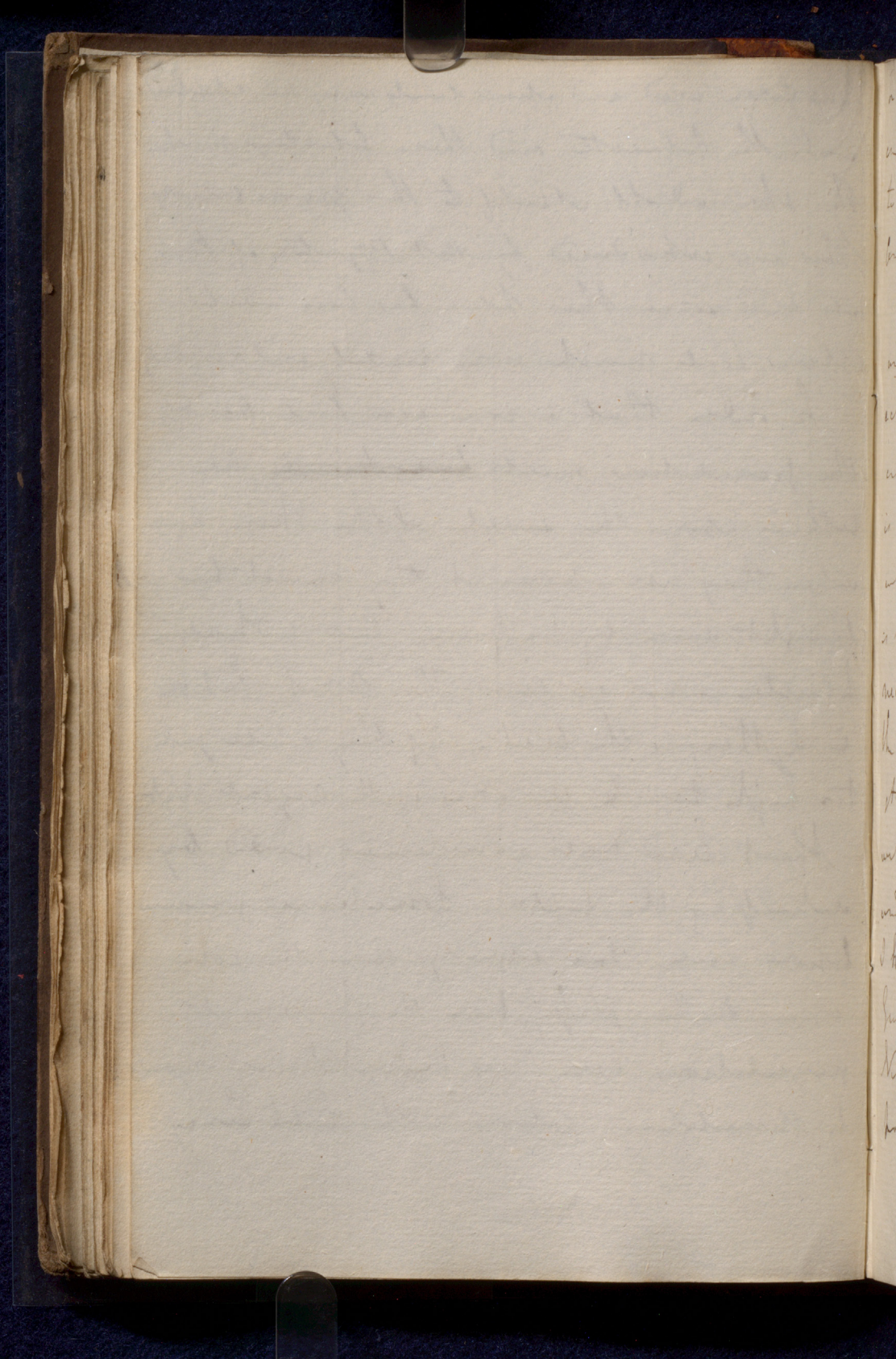
When granulation have reached we abstain
for this does not include the granulation
on the growth. Lately adhesive blisters



64
has been used and abundantly may be applied
with the plaster and these blisters make
the skin adapt itself to the punctations
This was introduced by Mr. Bryant of this
city, and since this time has been adopted
Others heal much more readily and quickly

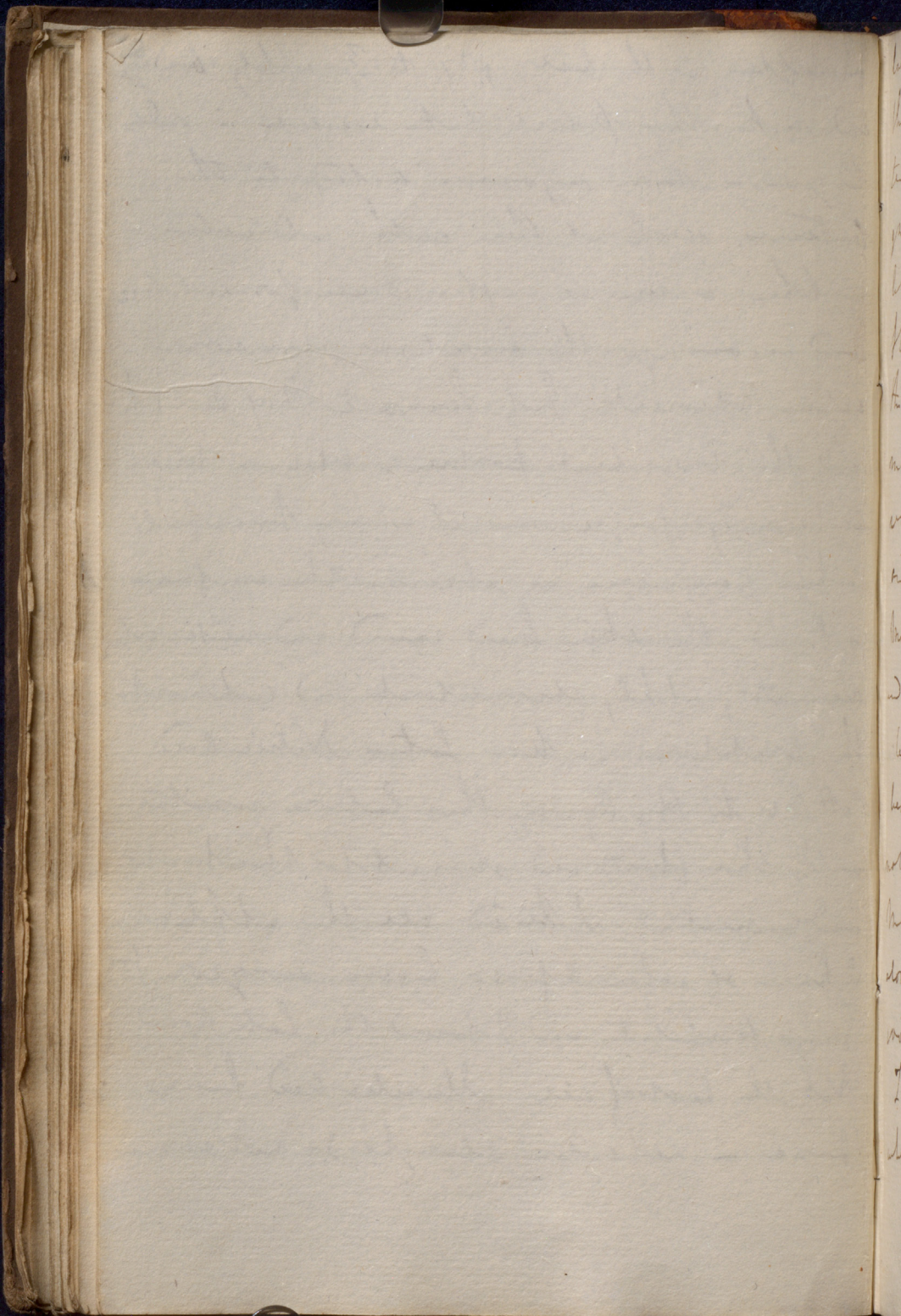
In order that a sore can heal kindly
the punctations must ~~be made~~ be
rather above the level of the skin, but
when they rise above it they must be
brought down by paring but with fine
plaster is not so good, the French Salve
or Symply is the best. If they still prove
too high touch the edges with Argent-Nit

Sheet Lead does sometimes good by
decompressing the part. Sometimes punctures
are too slowly, then the sore
is said to be glossy, from the backward
punctations, here Very Thick Nit Oxy is good
by stimulating. Lotions with Sulf. Lixij

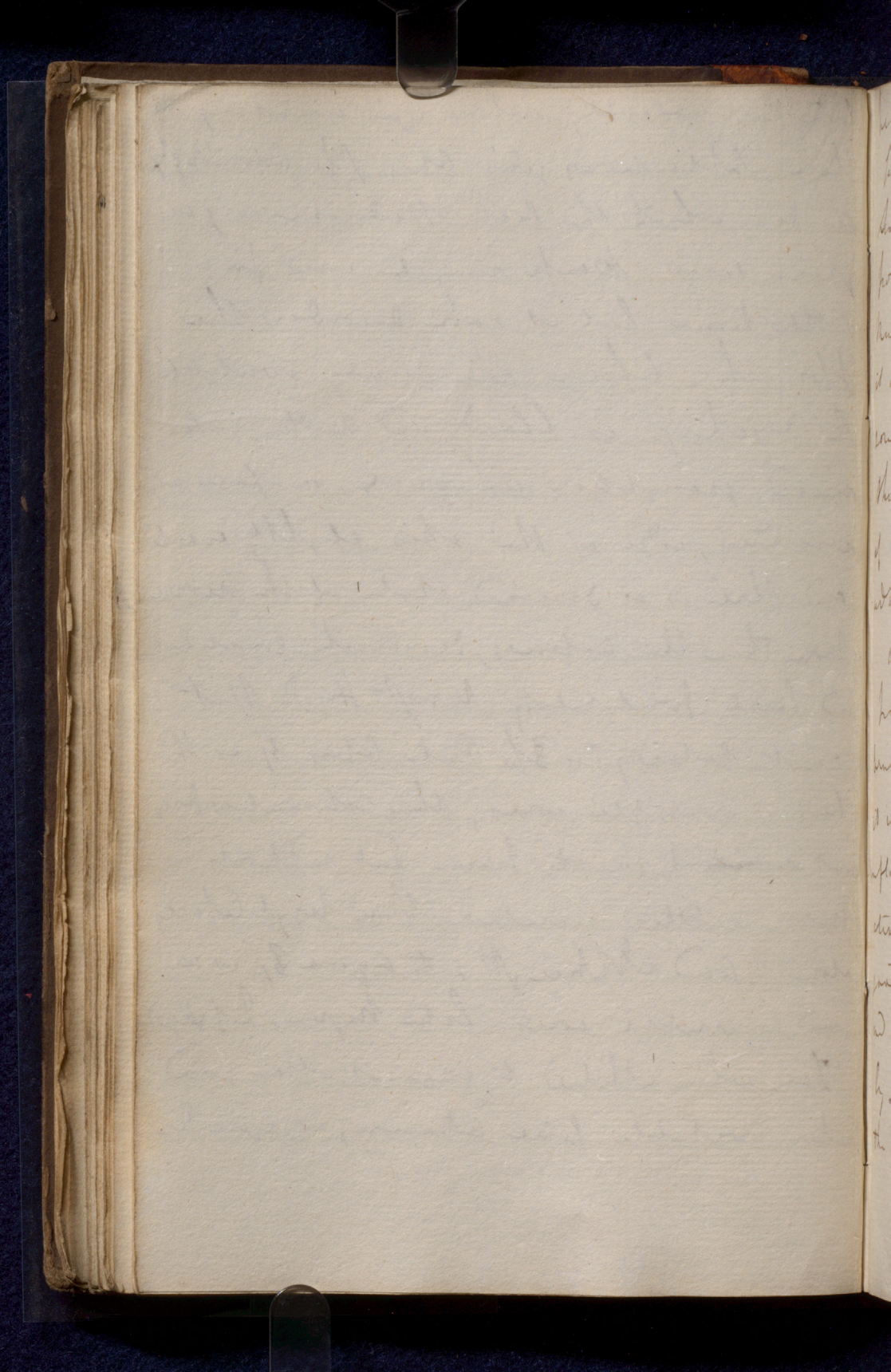


a Copper is the best R_1 to 3 ; apply ¹⁵ bridge
and make the patient take exercise in order
to give a more vigorous action to the
arteries, wash it then with cold water.

When a sore is inflamed use fomentation
and encourage the dissection give some
active stimulant Inf Lenna & May Sulph
and the recurrent-pustule. When an ulcer
is becoming gangrenous it is very painful
when gangrene is observed the surface
is livid, the skin hard round and retracted
near it-, apply stimulents and support
the constitution Use Lotio Nitric and
H₂O to R_{ij} Aqua, this lotion counteracts
with the fluids and stimulates the body
underneath. I tried all the applications
I knew of when I first became surgeon to
Guzs Hospital and I found the Lotio Acid
N^o the best of all. Muratic Acid has no
power in separating sloughs, do not show



late too violently, when you are using ⁴⁶
these applications give this $\frac{1}{2}$ Anmo. $\frac{1}{2}$
to see which the best Medicine is for
your cases. Mercur may be used for a
little time but it soon disorders the
Stomach. When a sore is very venereal
the discharge is bloody and rather inter-
mitted, granulations unequal, surface very
irregular, edge of the skin slightly erected
and there is a diseased state of the Nerves
More than the Arteries, demand consideration
and local treatment. Mercur-Hydro-Mit-
tled Calcey is $\frac{3}{4}$ Parts this $\frac{3}{4}$ is the
best in venereal sores, this stimulus does
not ~~secret~~ create pain but supports a
more healthy secretion than Mercur Calcey
alone. And White, $\frac{1}{4}$, the Aqua $\frac{3}{4}$, is very
good in venereal sores. Lotio Hygie, $\frac{1}{2}$ Sept-
For when applied to sores is often good
when venereal. Give Abscess, if you be



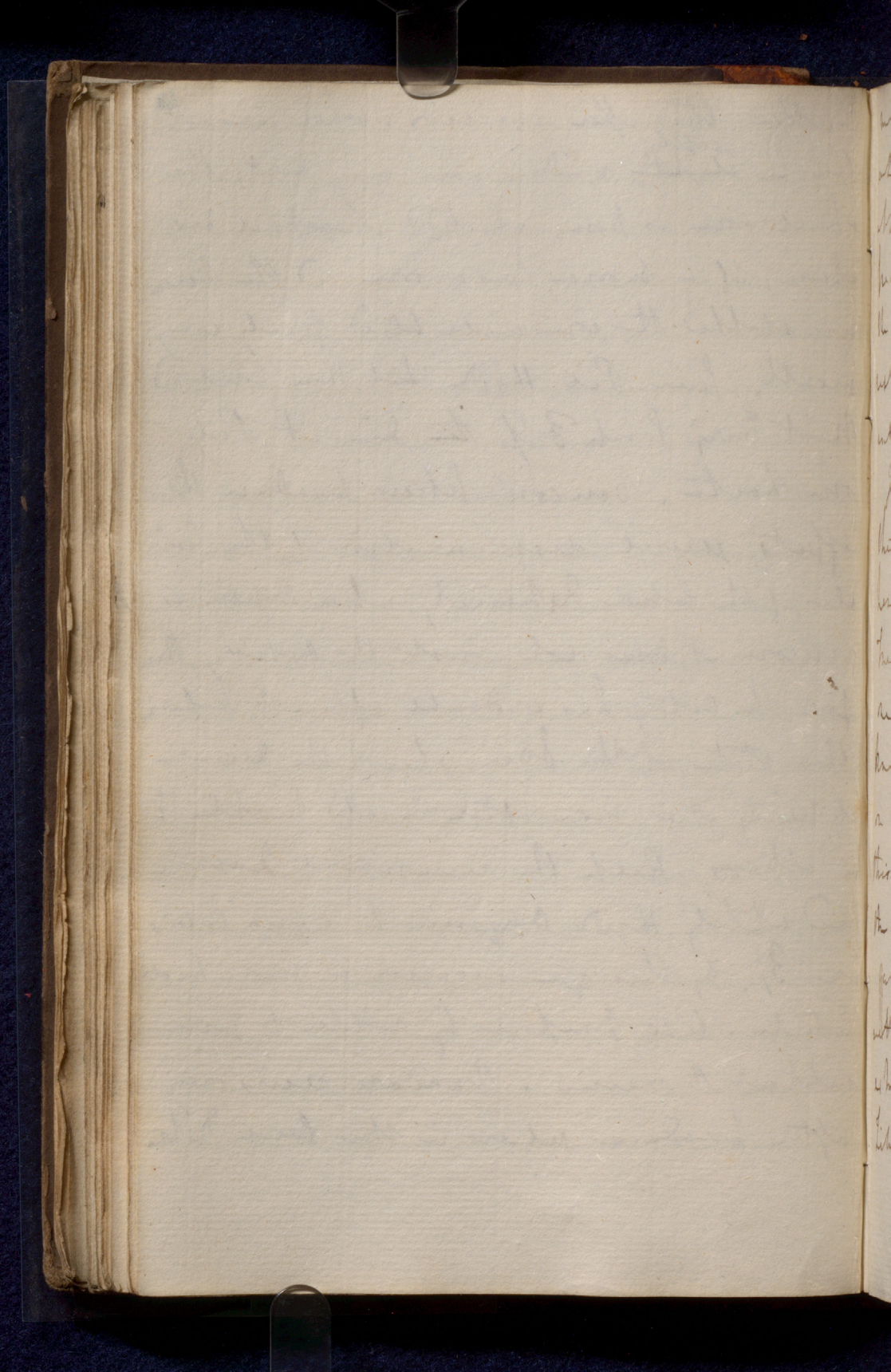
kind or Local means you will fail. 67

Time & this is the Autumn of his di-
lutions you will not heal it is proved
for 2 ~~long~~ circumstances if among
muscles it will not heal, if well seated
it will not heal. Testicle in Gro is a
non enery muscle if you divide the
muscle it will heal from the reposition
of Motion. Inject Test. Lytho to produce
adhesive inflammation in testicular zone,

A Letter from Leeds had Test. in Gro
from the depth and roundness of the he
bent - I did not like to operate, but injected
it with port-wine which created adhesive
inflammation and it healed without any alter-
ation. Hydr. Ozymur pth by 3 is a
good injection, you may cauterize them
and this stimulus excites granulations grad-
ly. After we may make an incision $\frac{2}{3}$
the way in the sinus and bind the sides close

[Faint, illegible handwriting on lined paper]

68
together this often succeeds. When union
can be ^{reliably} made you may do it. The
stomach one is from checked Mersbach dis-
charge, if a woman has a son and the Menses
are stopped the son will bleed freely every
month, Lin Pile Hyd Sub Men Comb and
Mist-Lavij Comb 3j the Lin A Pile
one Route. Varicose ulcers produce three
effects, general disorganization of the Cuti-
cle of the lower Extremity, when a vein is
varicose it does not assist the Arteries, there-
fore the Artery has a double office to perform
this state of the Skin shows the disease
of Veins, it is more often in old people than
in others. Such the remembered Rostum
and abbey Hyd Oxygene to Aqua Calcis
or 3j, by this you occasion a more healthy
Cuticle. Use perfume by rollers to give
substance to veins. Varicose veins cure
after produce ulcers in the lower Extremity



69
only treat them by the recumbent posture
without the veins by rolled cotton or bladders
applied to the sore. Whenever the veins
frequently, when a vein is inflamed enlarge
the valves leave a place for the blood to
rest. Puncture the vein whenever it is
enlarged never use any venous inflations.

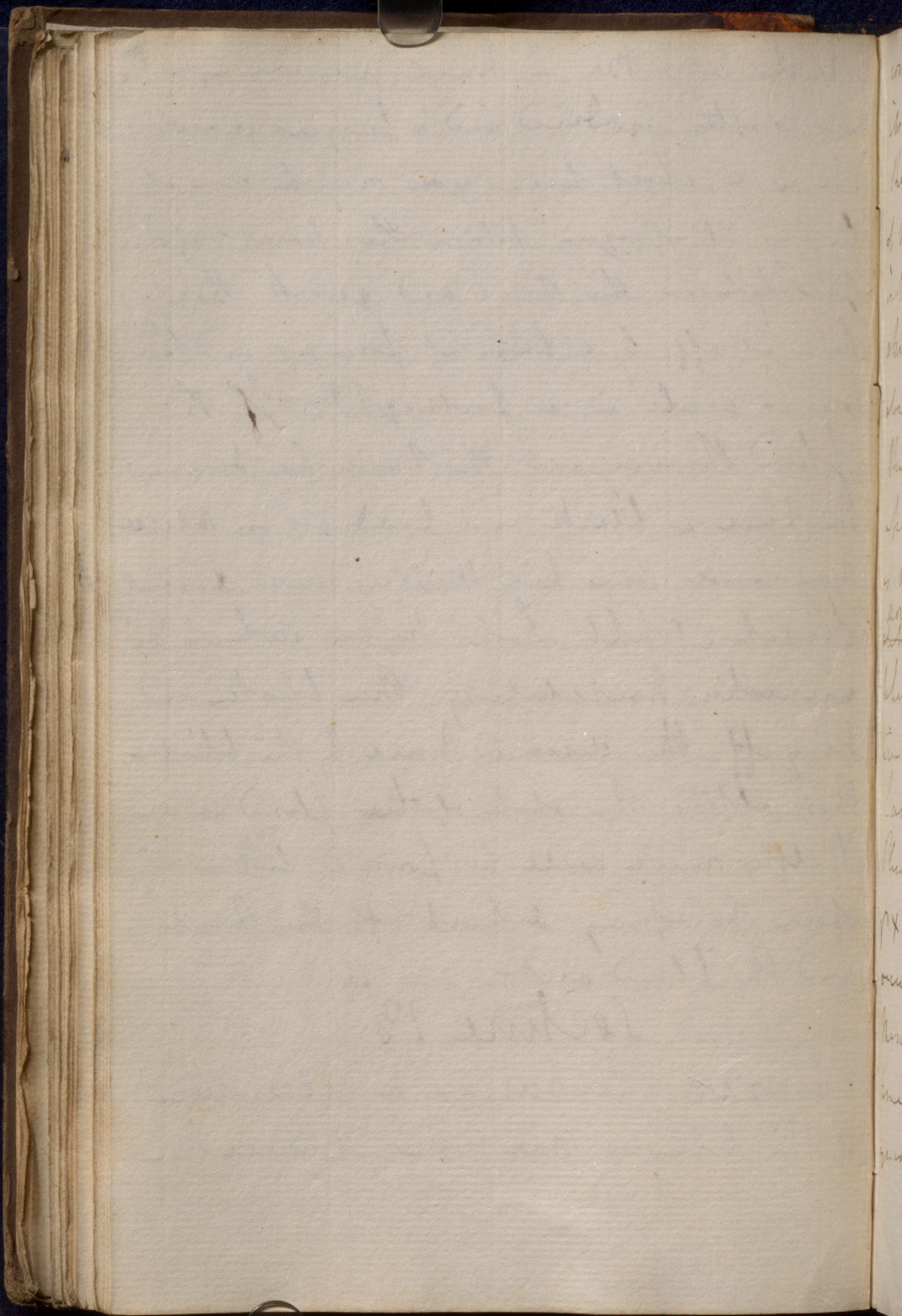
It has been advised to tie the vein, but
this has long been tried in this disease. 3
persons in my household died from this
treatment - 2 from lig on the veins and
one from having the vein divided. I have
known 9 persons die from having ligatures
on veins. A vein sometimes bursts but
this is not alarming, raise the leg above
the level of the body, recumbent posture
gently - piece of lint - and bind it down
with a roller. Ulcers are produced by
mercenary bodies, from effluvia of the
Libic Influen after brooding half way

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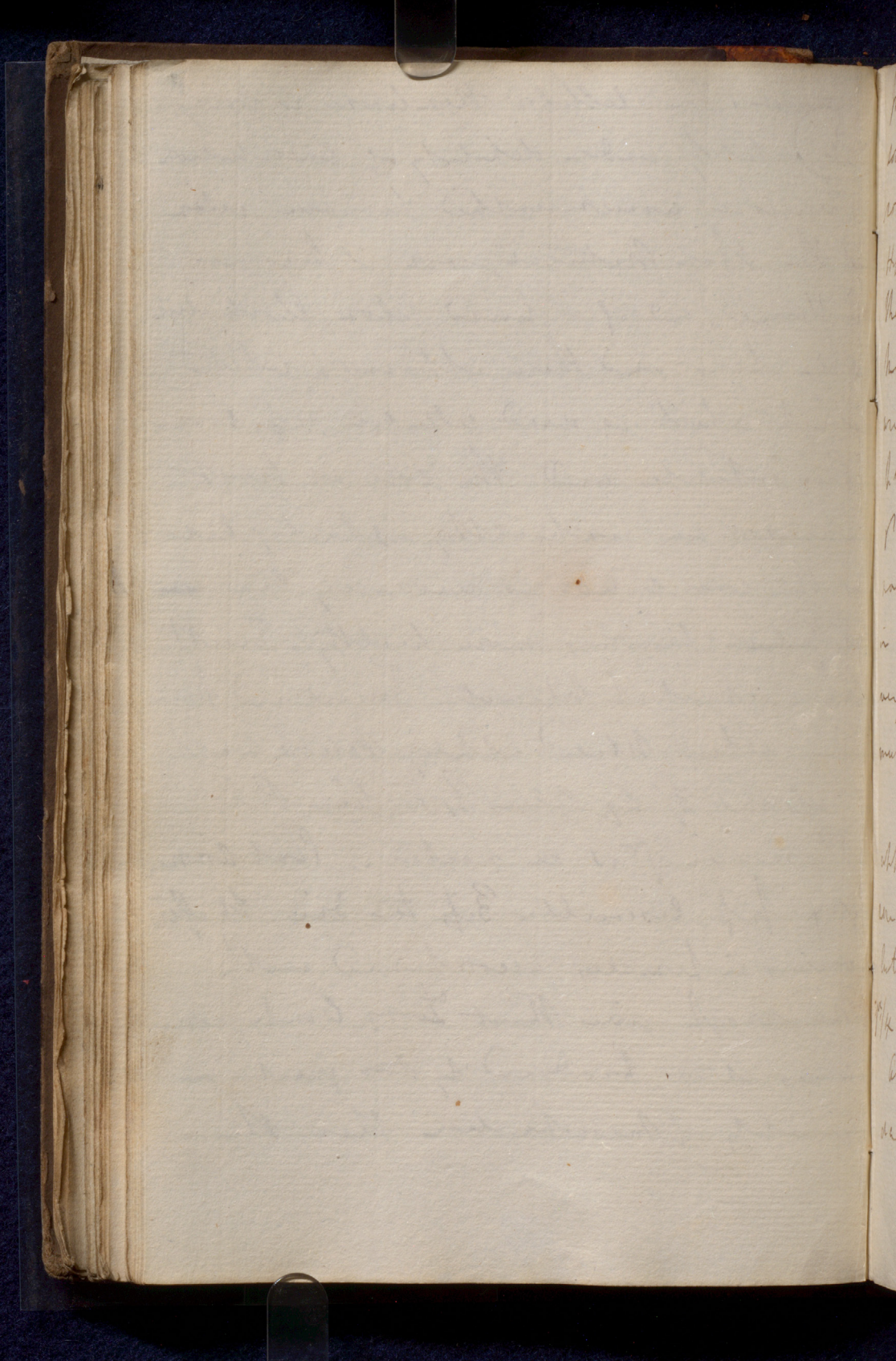
at the leg. May a nail growing in, ⁷⁰
one is often broken and a fungus grows
into it, in a short time you may be seen at
lifting it if you place the point of the
force between the nail and quick then
hook is off by a hair of force and the
nail is well in a fortnight. If the
flesh throwing out the nail be diseased
the nail is black and broadens in places
you must use hot dressing even second
dressing. Apply Lohs Sympa which di-
minishes inflammation, then blister and
bring off the diseased nail by the blister,
this alters the state of the flesh and a
healthy nail will be formed, but it is
often necessary to cut off the nail
and the flesh out.

Lecture 13th

Chronic Carbuncle or Ulceration
of the Cellular Membrane it is necessary



common. The cellular Membrane is losing⁷
its vitality under debility of constitution.
There is a circumscribed tumour color
of the skin natural, soon it becomes
inflamed, and of a hard color, fluctuates
skin being and then assumes a white
slough which is dead cellular membrane.
This subsides and the sore at first
assumes an unhealthy aspect, but
as the constitution is recovering the ~~can~~
^{sore} ~~substance~~ becomes more healthy. Treat
with chant to blanchet Forest and bark
tree when ulcered with black wash
Calomel 3j Aq. Alcis 3ss. Lin. Pil
Plummer ʒi ss on nocte. Post Annus
ʒx Inf. Escallonia 3ij ter die. It often
occurs in females accompanied with
Menorrhagia since West Lorr's work, some
times it is produced by too great a
quantity of menstruation than the



72
Prof. Rose with Alum is best. A Deciduous
sore is very common, it is accompanied by
some visceral disease - Liver, Lung, or
Hydrothorax much differently in healing,
than from the nature of the white skin,
and Mercurial treatment - recumbent Posture
are to the limb - broken by adhesion
A better roller is best - Give Oil of
Sassafras $\frac{ij}{ij}$ foment $\frac{ij}{ij}$ on
route. The other Notes 3^h Limit Symp^{ts} $\frac{ij}{ij}$
in which does to die. Elixir is
very good in Scurvy but the constitution
must not be much reduced $\frac{ij}{ij}$ has done.

A Cutaneous sore requires a detergent
application to the skin. By a cutaneous
sore is meant the cuticle raised and the
latter in a state of inflammation. H^ol Ox^g
 $\frac{ij}{ij}$ The other Notes 3^h to in die.

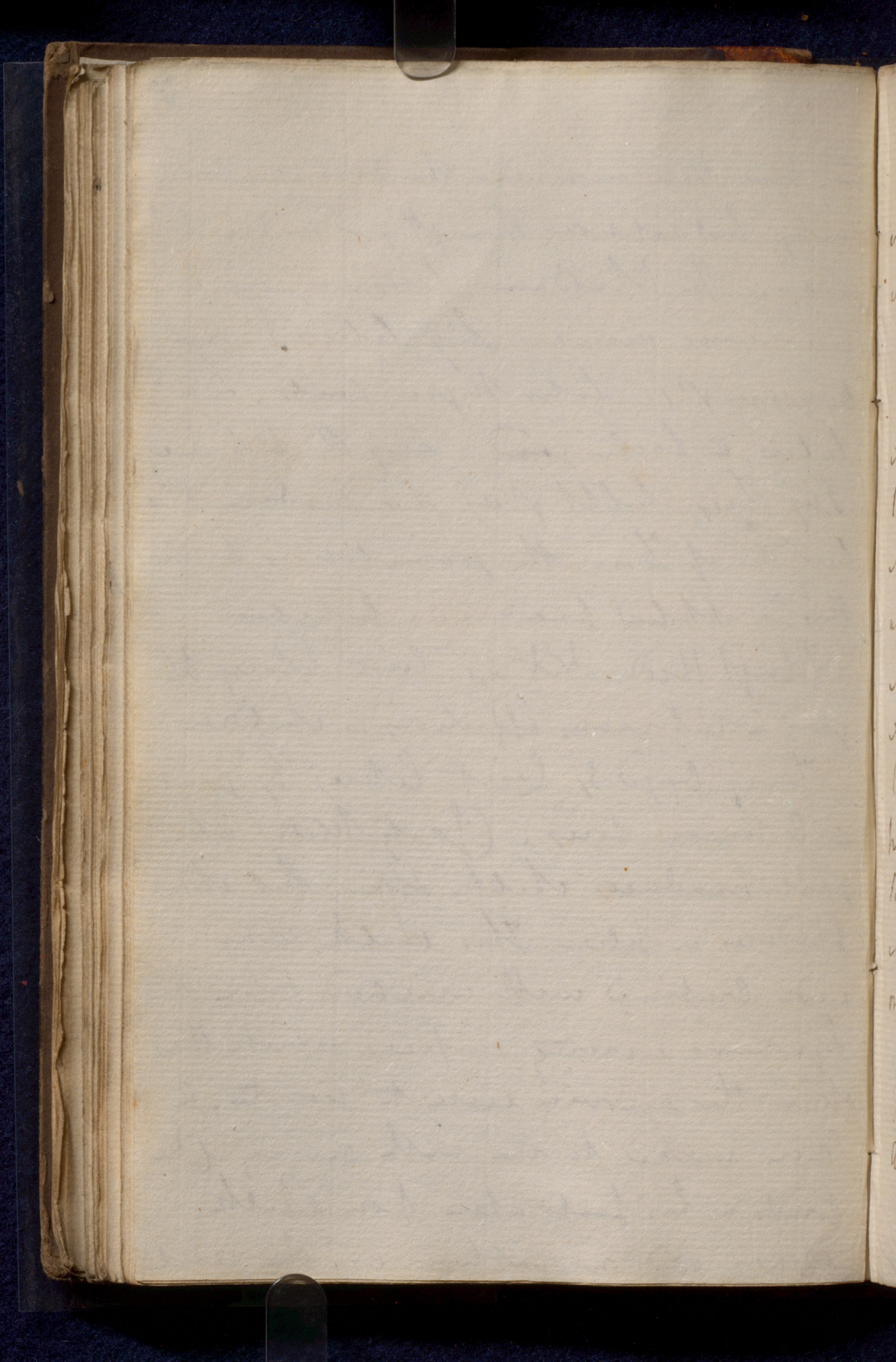
Arsenic is good but see the Patient -
daily $\frac{ij}{ij}$ to a female $\frac{ij}{ij}$ to the Male

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to die after increasing the dose one drach daily, but not more than $\frac{1}{4}$ & he dies to be
 given. In Children labouring under
 cutaneous disease Lij Lapis 3; Hyd
 Oxyana $\frac{1}{2}$. Lohs Myra Lapis. Lij
 Lapis & Lach good. Lij P. but die
 3vj Lij Lapis $\frac{1}{2}$ Lij this produces the
 bubble of Time the granulations to which
 this is added produces a bubble

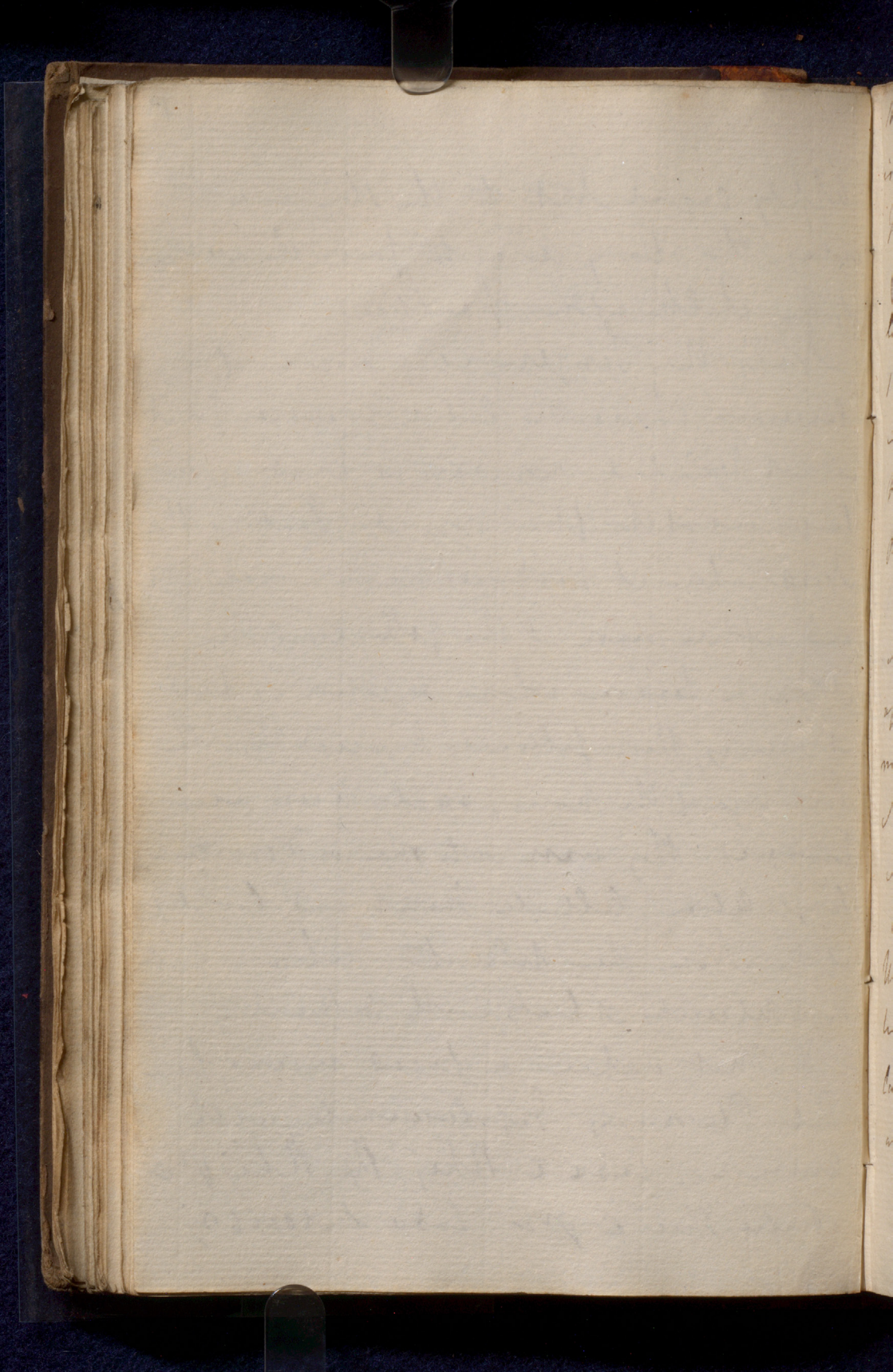
Myst Hyd. Nit-3; Lach Lapis 3; good
 & cutaneous affections in children
 Lij Oxyd 3; Lach Lapis 3; good
 & cutaneous sores. (County Ulster) when
 sand produces chalk stone, that stone
 produces an ulcer. This chalk stone is
 made combined with uric acid. When the
 syria's secreting surfaces secrete this
 stone the syria ceases to secrete. A
 Man walked to me with many of his
 joints in his foot when from chalk
 stones and no inflammation was the result



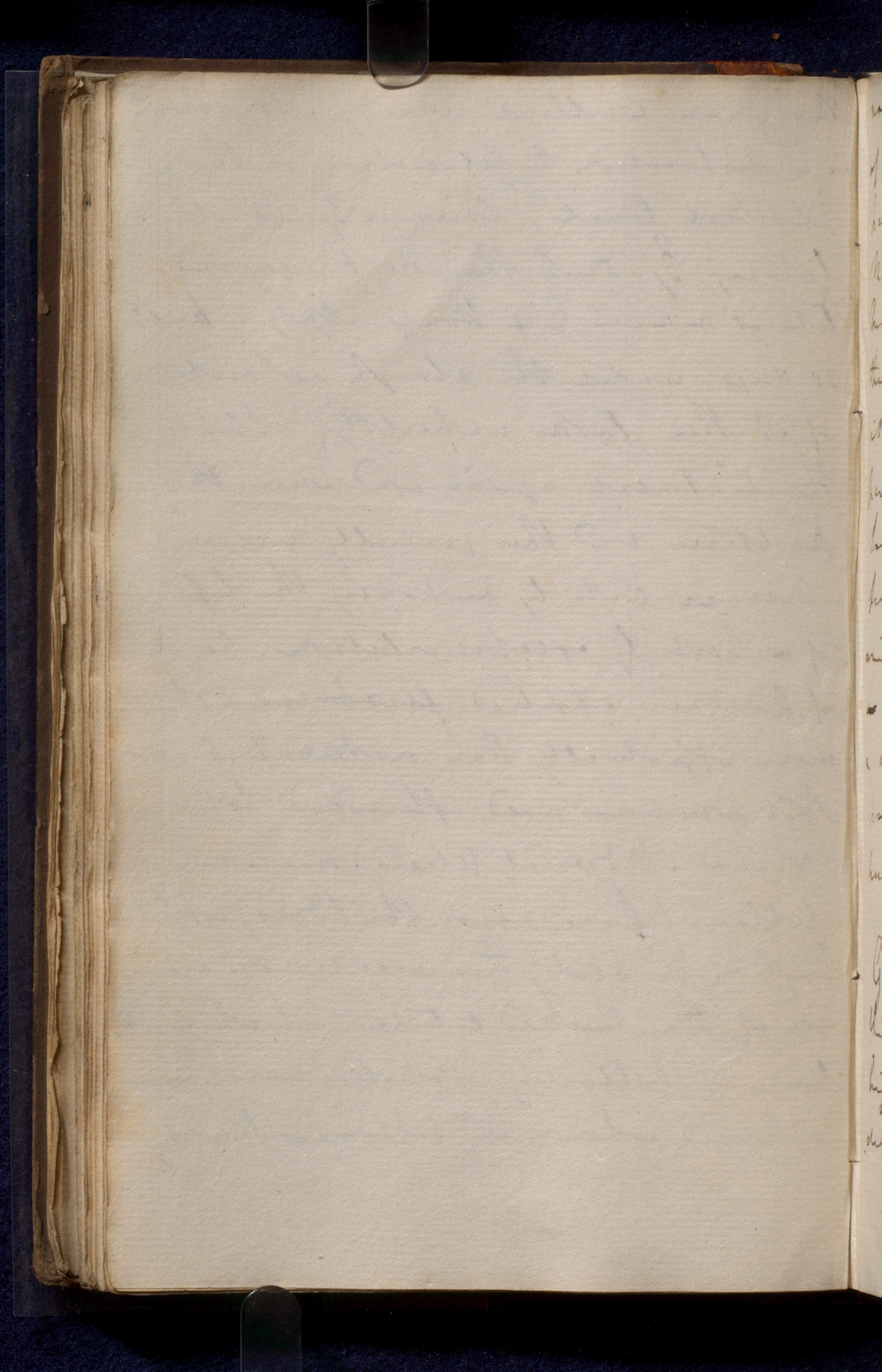
Apply arsenic to the skin as to
enlarge the opening in the face the inside
of the shell stones, (paulina)

Only the Tanager is a disease of a
cancerous character, but not cancer for it
is not painful nor does it produce an
enlargement of the gland near it, but is the
Nose where it produces much humor and
inflammation of the follicles of the
Nose, in persons whose digestion is bad
it occurs, these follicles become then the
birth place of the nose, small blisters are
produced they run into one and create a
large ulcer like the mouth and looking
at the Nose this ulcerate when a hard
mass of matter it heals with difficulty.

So that depend on local means, like
Pile Plummer, Inf. carbonate with
ammonia. Lode & Rhiz Rhiz & Rhiz
Pulver. Lode & Rhiz Lode & Rhiz



This is an excellent remedy when there⁷⁵
is a dischord to Ulceration in the
Intestinal Canal. Arsenic 3; Cast
Oil 3; Rub the sore to day and
let it remain 24 hours, Apply a poultice
10 days until the slough separates
if it then looks unhealthy, apply
the ointment again and renew the
poultice and this usually succeeds
Arsenic acts by destroying the life
of a part by excessive action. Syde
of Arsenic applied produces a slough
more effectually than ointment. Argent
Not sometimes used afterward to the
Niger. Edges of Ulcers sometimes
blossom / I use down the edges / apply
Wylt Hydr fort - this occasions a separa-
tion of the thickened cuticle which is the
cause of blosomy. Potashes sometimes
applied when very blosom - Scumfy



now and then. Inverted ridges is a ⁷⁶proof
of debility in the constitution and of the
heart itself this is the phlogogenic sore
make a ~~small~~ saturated solution of
Potash below dip it in heat and wash
the edges and the skin some way round,
it ~~can~~ constricts the vessels of the
part, do this once a day, and apply
Lutes Nigre let the black ointment
fill the sore cover it with oil silk
and apply a roller. Inverted ridges is
is a proof of the humbleness, or of
a Malignant tendency, furunculosis
produces this as well as cancer, gradually
hush the ridges off.

Lecture 14

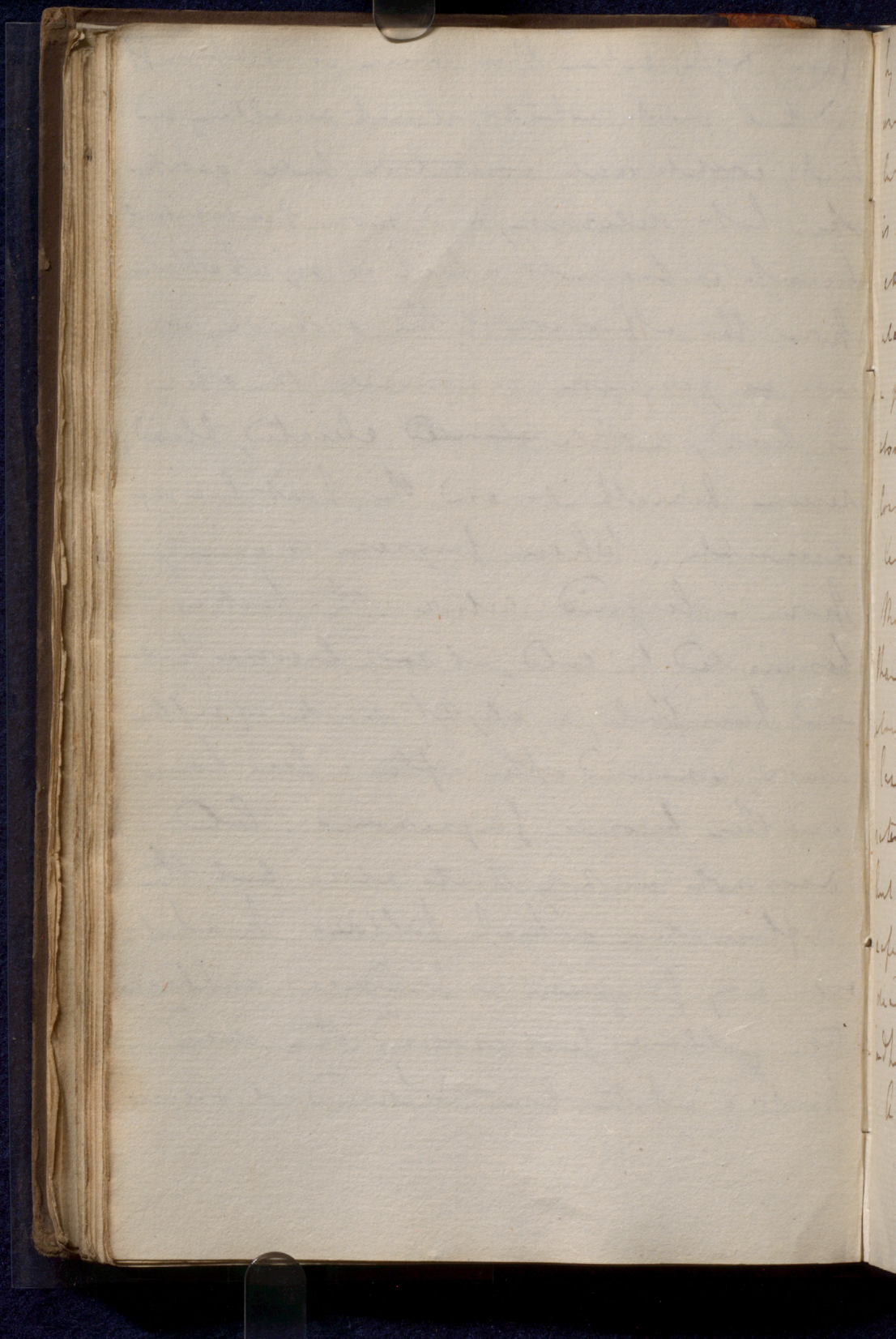
Gangrene is the death of a part of
the body produced by a state of action
high degree, sometimes from a slight ~~case~~
degree of action in weak parts. When

My dear friend,
I have just received your letter of the 10th inst. and am
glad to hear that you are well. I am
also well and hope this letter will find you
the same. I have been thinking of you
very much lately and wondering how
you are getting on. I have been
very busy lately but I have managed
to find some time to write you.
I hope you are all well and
happy. I have been thinking of you
very much lately and wondering how
you are getting on. I have been
very busy lately but I have managed
to find some time to write you.

Yours truly,
J. C. [unclear]

I have been thinking of you
very much lately and wondering how
you are getting on. I have been
very busy lately but I have managed
to find some time to write you.
I hope you are all well and
happy. I have been thinking of you
very much lately and wondering how
you are getting on. I have been
very busy lately but I have managed
to find some time to write you.

from high when the hair is aspin, 77
red to a pinkish red, much swelling and
heat, coldness of constitution, but quick
skin hot - delirium, and more heat and
heaviness is present which is sympathetic
from the affection of the stomach, as
soon as pyrexia commences the skin
is livid, cuticle ~~elevated~~ elevated, blood
serum beneath it - and the heart becomes
irregular. When pyrexia is arising
from a longed active the heart is
hemorrhaged by cold, it soon becomes hot
and hard full, a slight mark of inflame
above, removed after a few hours
and then becomes pyrexious. Cold
does not destroy heart alone but the
inflammation which follows. In what-
ever way pyrexia is produced subnecrosis
follows, just around the dead
heart - a white line is formed is observed



by the Cuticle being elevated ⁷⁸
under it and then matter is secreted, the
Cuticle then soon separates and a Pore
is formed which is produced by the
absorbents. When skin separates, all
near Membran then sloughs but to
a greater extent, the Muscles become
absorbed, tendons then separate to a
considerable distance, the skin longest-
Cellular Membr shorter than skin
Muscles shorter than the skin but longer
than Cellular Membr., Nerves slough very
slough very slowly in Lord Nelsons
Case it was months before a Nerve se-
parated after amputation. Bones slough
but very slowly. Arteries slough very
safely without hemorrhage, in the
dead but - the blood coagulable, then
adheres to the int coats of the Arteries
A Man had foregone in the lower

[Faint, illegible handwriting on lined paper]

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extremity is - was amputated above the ⁷⁹
knee, femoral artery did not bleed, it was
filled with coagula some was above
the knee and thus supplied slough
without any loss of blood. Wound
healed with immobility due to
sympyema, long continued fever as
when the Nates slough, in scalded
in the throat - the Esophageal tube and
Ear also become affected. Measles also
preceded the Sympyema if a blister be
applied it goes in a sloughy state, If
blisters be weakened they save you into
a Sympyematous state cold acts in this
way. If a limb be contused a slight
inflammation occasions an extensive
slough. Particular structures are more
prone than others Tendon, Cellular
Membr. Phlegmonous can arise from
sloughing of the cellular Membrane

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Unknown the Power of the Constitution.
 Inflammation is the cause of Gangrene
 in 999 cases in 1000. In cases of
 Hydrothorax a black spot has been
 formed without previous inflammation
 but the constitution was much im-
 paired. Part under gangrene is de-
 stroyed by exsuffiation action, and by
 thus destroying, as soon as the part is
 destroyed the blood begins to coagulate
 and thus every little vessel as well as
 large is filled up with coagula and
 thus the circulation is obstructed, blood
 only keeps to the edges of the dead part.

Mode of preventing Gangrene must
 depend on the Cause, if from high
 Action bleed, but persons subject to
 Gangrene in London have bled badly
 bleed therefore ^{rather} than bleed usually
 give Calomel &c in small & in May

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81
sulphur just to empty the bowels, then
give big ammoniac & Tinct. Acon.
to diminish the excitement. If you
can apply Lohs & Spt. Vin. it stops
the excitation. Spt. Vin. canth. is the
best application. Don't let the arm
be exposed to much heat. When
furgence has occurred and you want
to correct it give ammoniac & Spt.
Tinct. Acon. $\frac{1}{2}$ $\frac{1}{2}$ the dose this is
the best reliable medicine. Must
give is sometimes good it produces
a regular stimulus. Must is so apt
to disagree and is very little to be
depended upon. The best local appli-
cation is acid Nitric $\frac{1}{2}$ L. Aq. Acon.
Lingam's poultices are sometimes used.

If a hot is hot small and is fur-
genced it will slough and does not require
amputation, Nature forms an excellent

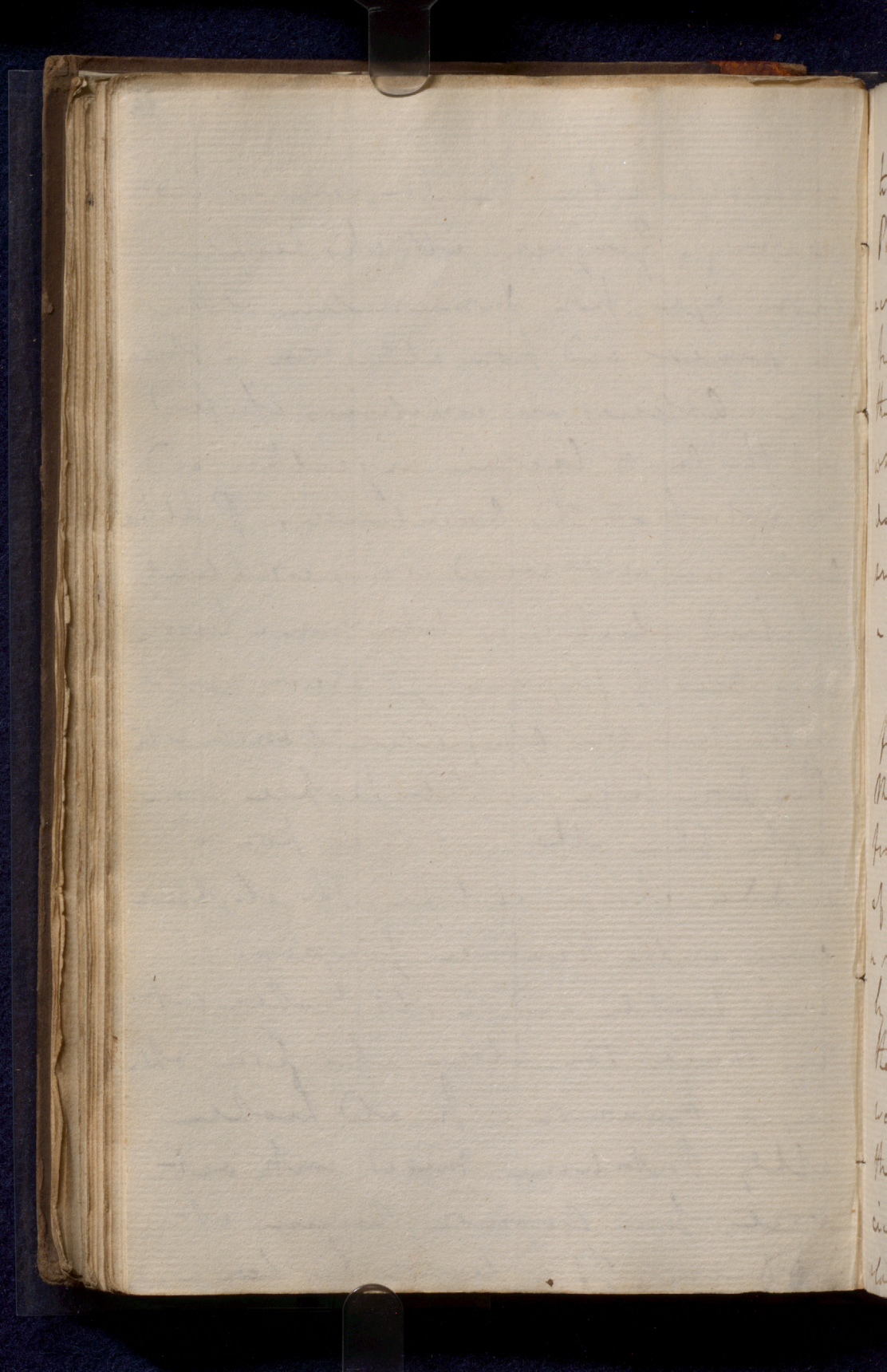
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stimulus, therefore we do not ampu-
 tate from gangrenous toes. A King
 the surgeon in Germany had both his
 feet gangrened, he applied caustics
 and they had ~~been~~ nearly separated
 before he reached England they have
 since sloughed and he has a good
 stump. When gangrene arises
 from a constitutional cause you must
 not operate until healthy granulations
 are formed. A lesson dies from the
 best loss of blood when the sloughy
 growth is going on. If gangrene arises
 from accident you may amputate as
 soon as you like. A woman fell
 and divided the brachial artery and
 laid open the elbow joint, gangrene
 followed and amputation was performed
 the labor did well. When gangrene
 arises from aneurism you may

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antitake when the Gynem is pro-
 ceeding. Gynem attacks people
 from age, from dismemberment of Mus-
 le bones and from attention in these
 three. Antitakes are sometimes applied
 and the lungs become unyielding and
 do not assist the circulation. Pablae
 lobey was sent round it was completely
 applied which was taken from a person
 who died of Gynem. It occurs most
 often from the application of smoke water
 than from large, in take people more
 often than others, it arises from a
 sudden change of life. The slightest
 cause will produce Gynem in
 such people and in old people cut-
 ting nails too close, also from ob-
 eing a Brunner. In old people
 they Port-wine mixed with act-
 ual, for Ammon, Mercur, St-
 olin. If a person has been used



to shunt brandy may be given. The Pulse is often intermittent - in all kind of actions of old persons. The pulse intermits from the spasm of the arteries of the Heart. Do not remove the toes which are fastened by knots, if you do remove toes will be diseased in a peculiar way and you will have a gangrenous stump.

Carbuncle is a sloughy abscess first inflammation in the cellular Membr, diffused swelling, skin at first unaltered, then inflamed and of a hard hue, long continued hair, a number of small abscesses formed by Abscession and if you squeeze them matter like flour mixed with water issues, these slough into one then a slough abscess, make a circular incision of the centre of the slough. If large they are dangerous

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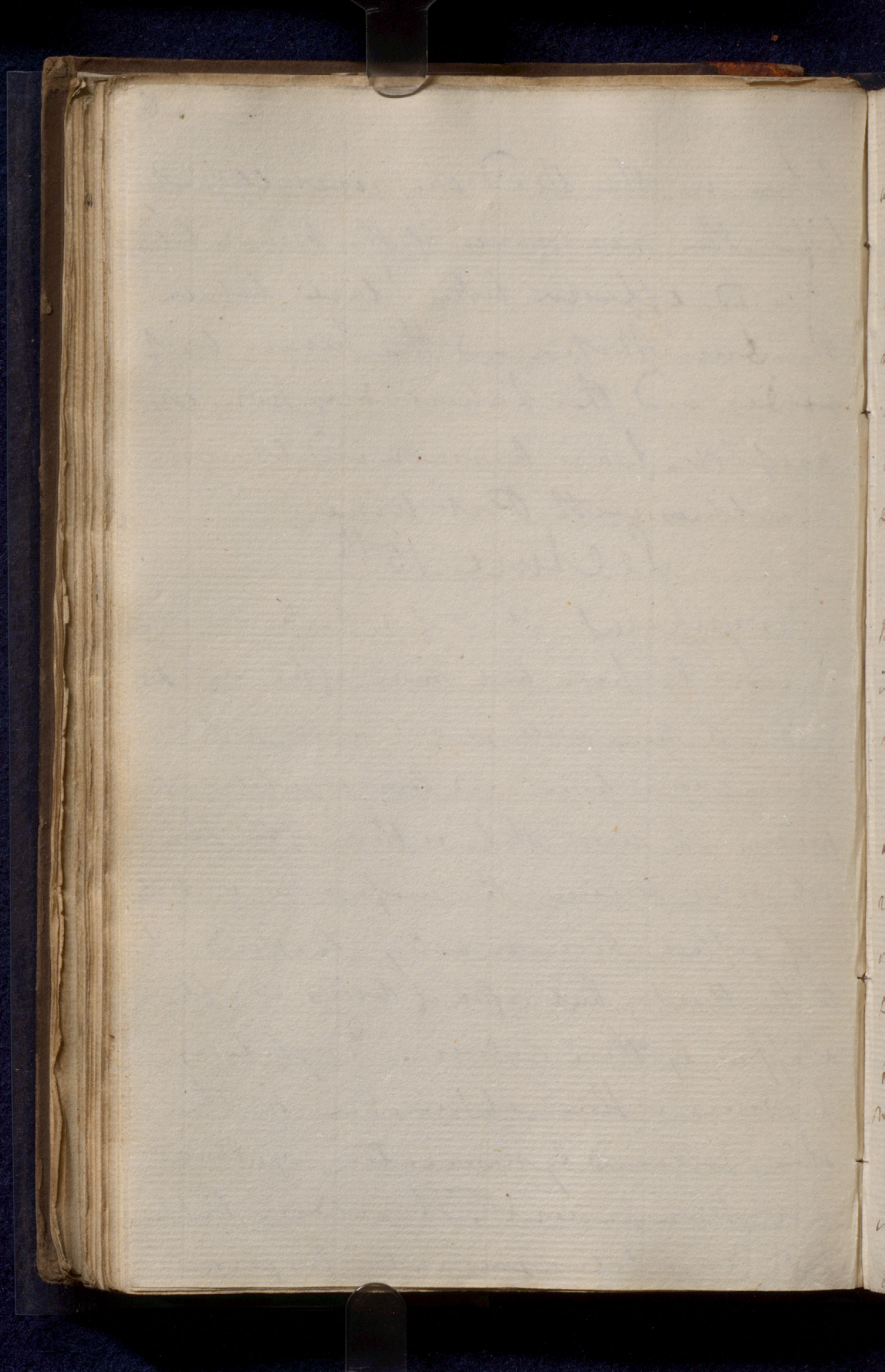
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When on the Head they generally destroy
 life the membranes of the brain become
 affected, effusion takes place between
 the Dura Mater and the Tunicæ arach-
 noidea and the patient dies from com-
 pression. Use Ammonia and China
 Panthees with Port-wine.

Lecture 15th.

Erysipelat it is of 2 kinds, sometimes
 preceded by fever but more often occurring
 in it. A man will go out well, he takes
 ill and come home and have erysipelas ap-
 pear. The reason that erysipelas of the skin
 extends is because the surface is unbroken.

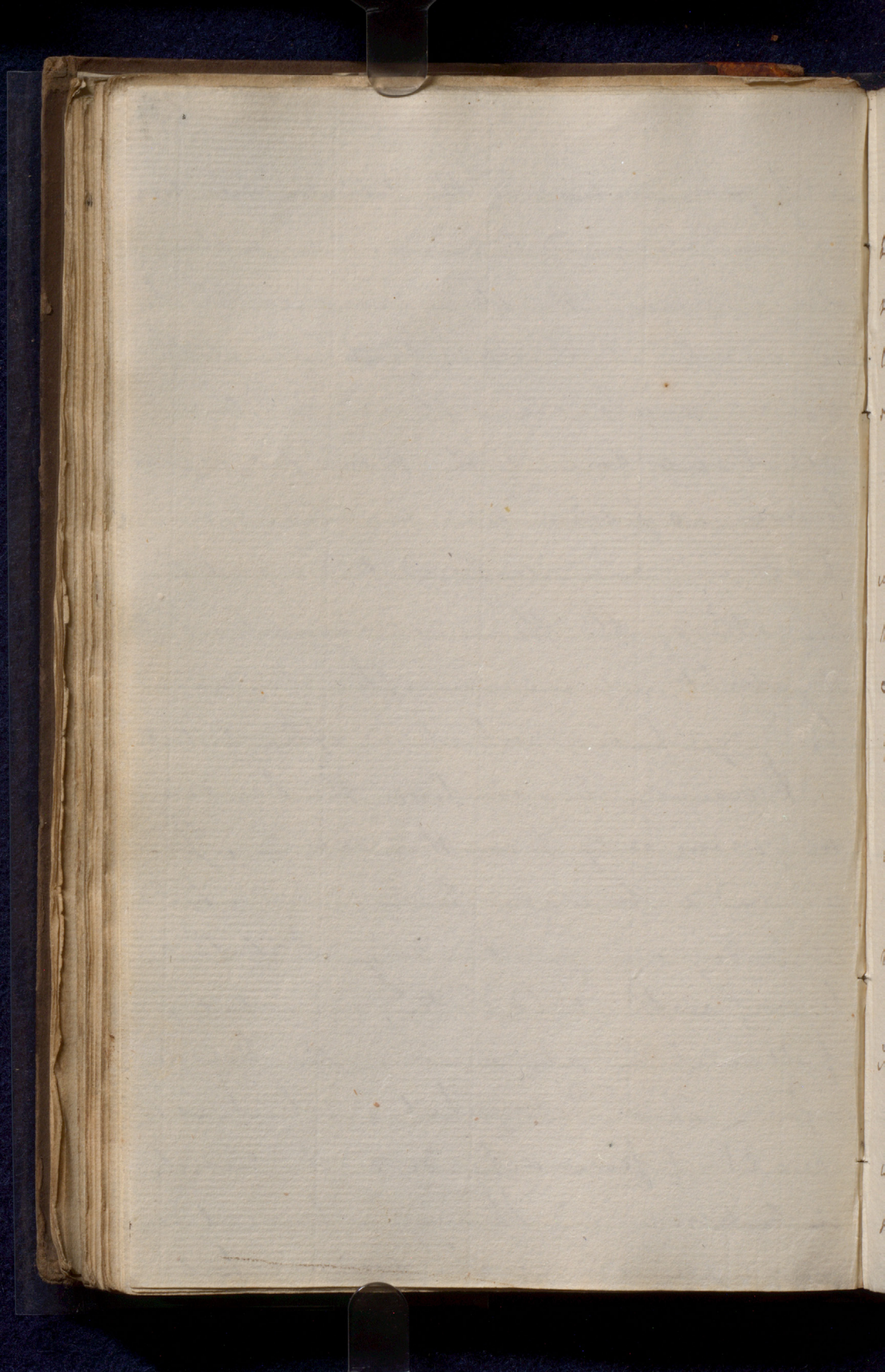
If erysipelas be in or below it extends often
 to the throat, but erysipelas of the lungs is often
 stopped by their valves. Erysipelat
 produces a florid appearance on the
 skin, followed by resuscitation, yellow
 but transparent. It seldom happens
 that Erysipelat goes up to the lungs.



unless ~~the~~ seated in the cellular membrane

I have examined bodies, and on cutting
open a limb, the skin has been thick-
ened and the cell. memt. loaded with
serum, muscles are inflamed, and the
cell memt. down to the bone filled with
serum, no fibrine was secreted. Some
parts are more disposed to Erysipelas
than others, the head is very subject to
it, slight injuries are often followed
by Erysipelas which is often fatal

Removing tumors from the head is
dangerous only from this cause. I
removed a tumor from a lady's head
on Friday and on Sunday she bathed
herself with cold water, Erysipelas
followed and she died on the Tuesday
night. That Erysipelas which is the
result of fever abates on the climate
in Antwerp and Thuring when coldness
succeeds the summer heat

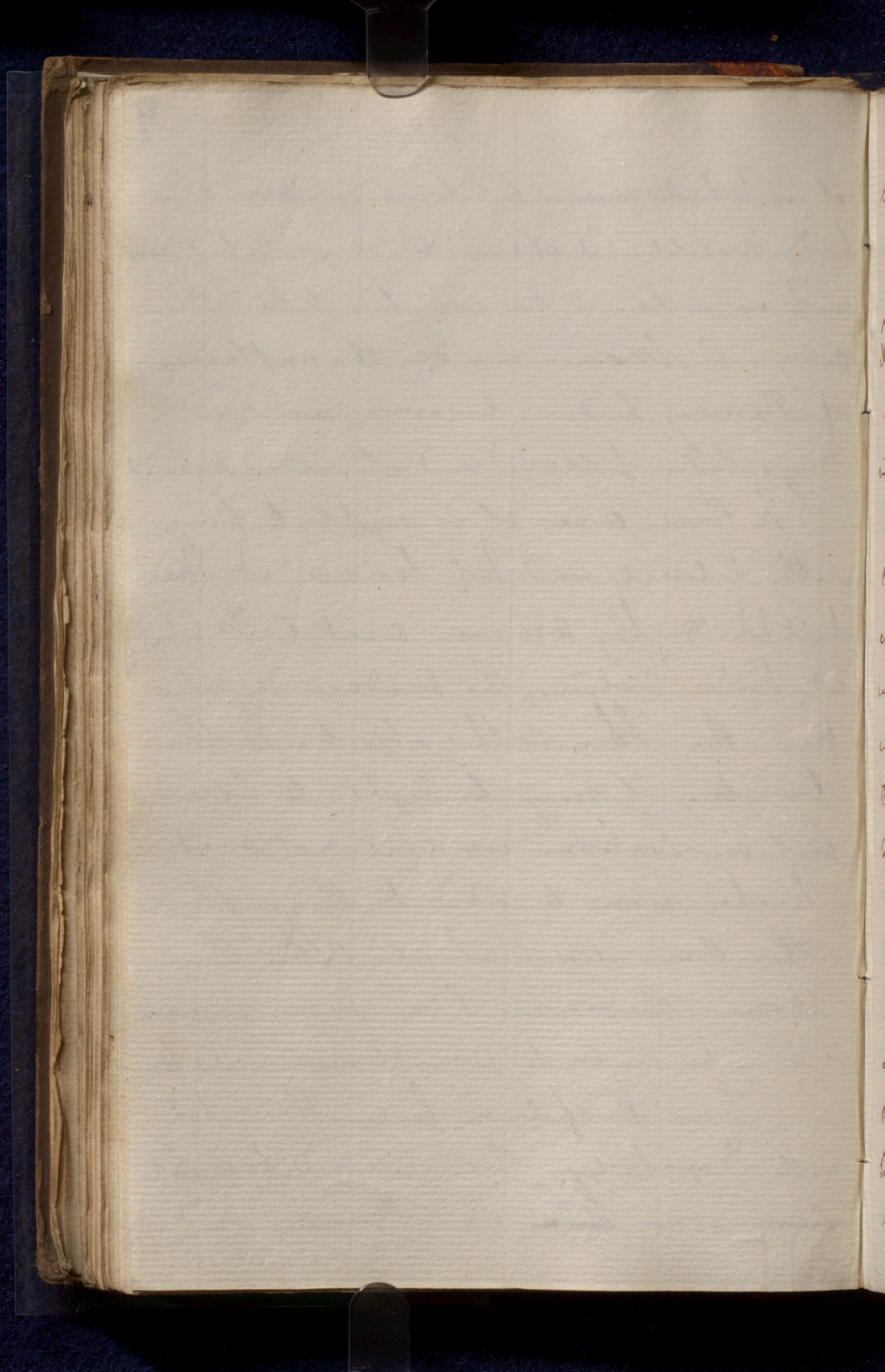


it is Rhedemia. whatever renders the
body insensible dangerous to Rhyphelia, and
such as when a person has taken their
Cure. A Woman under the influence
of Mercury had a tumour removed
Rhyphelia followed and she died from it.

In these cases it is right to begin
with Calomel and Inf. Senno & May
Lulth & Lig. Ammon acet. & Inf. Rhiz.
St. Pauli Antim. To produce Secretion
from the Skin is the object. In the
Country it may be right to bleed,
but in London we dare not do it.

Leeches seem to add to the inflammation
rather than diminish it. After the
Above Medicine have been given
it may be well to give stimuli - As Wine

Two people in Surg. Hospital
with Rhyphelia, their friends brought
them some ~~Wine~~ and Brandy and

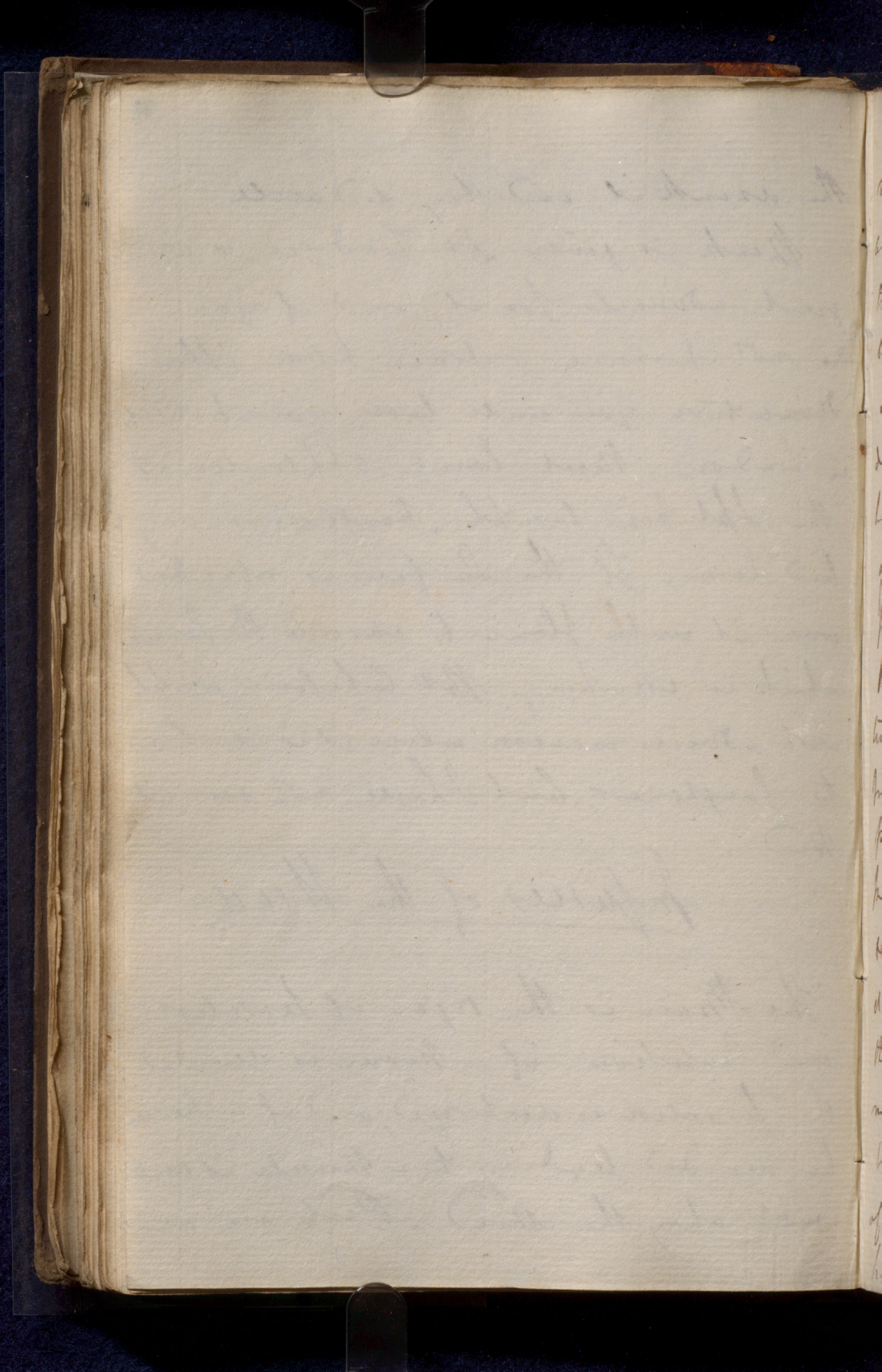


the drink it and they did well.

Went is given for Lardye is a
great advocate for it, and if you
do not pursue a tonic plan after
dysentery you will lose your patients
in London. Best local application is
the 50t bin ointment. Poultices are very
bad here. If the surface is abraded
cover it with flour to absorb the serum
which is exuding. The Coleridge Hotel
is a good place where it is desired
to stop here, but I have not seen it
yet.

Injuries of the Head

The Brain is the organ of sensation
and volition. if a nerve is divided
the sensation is destroyed, and if a nerve
be divided leading to a muscle it will
not obey the mind. Parts are un-

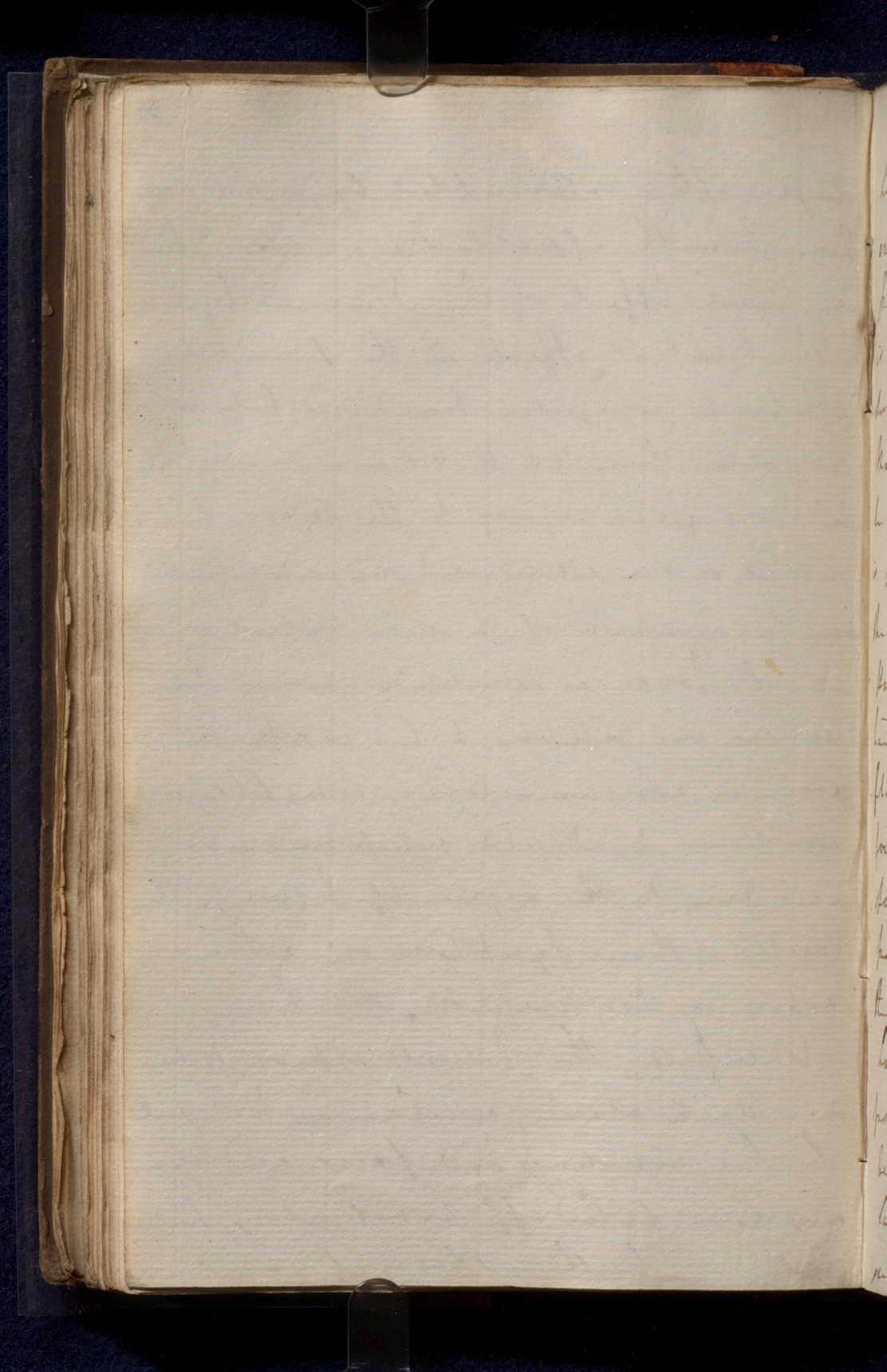


voluntary the Heart and Intestines are
 are because the act independent of
 the Brain. Parts are influenced
 by the great Sympathetic Nerve it
 can sustain the functions of the ab-
 dominal viscera, even if the Brain
 be removed. The functions of the Head
 depend on the Brain. Symptoms of
Injury of the Brain loss of Motion, the
 Person lies in a comatose state, his sensa-
 tion and ~~no~~ volition are impaired, a bloody
 from the Nose and Ears, and he vomits
 blood, for as he lies in the recumbent
 posture the blood trickles down the
 olfactory, if bleed in the Ears it is very
 dangerous, the injury generally sustained
 there at the Basis Cranii. always ac-
 companying injuries of the Brain
 this may be considered as one of the effects
 of his Medullary Nature, the force
 of involuntary breathing laboring

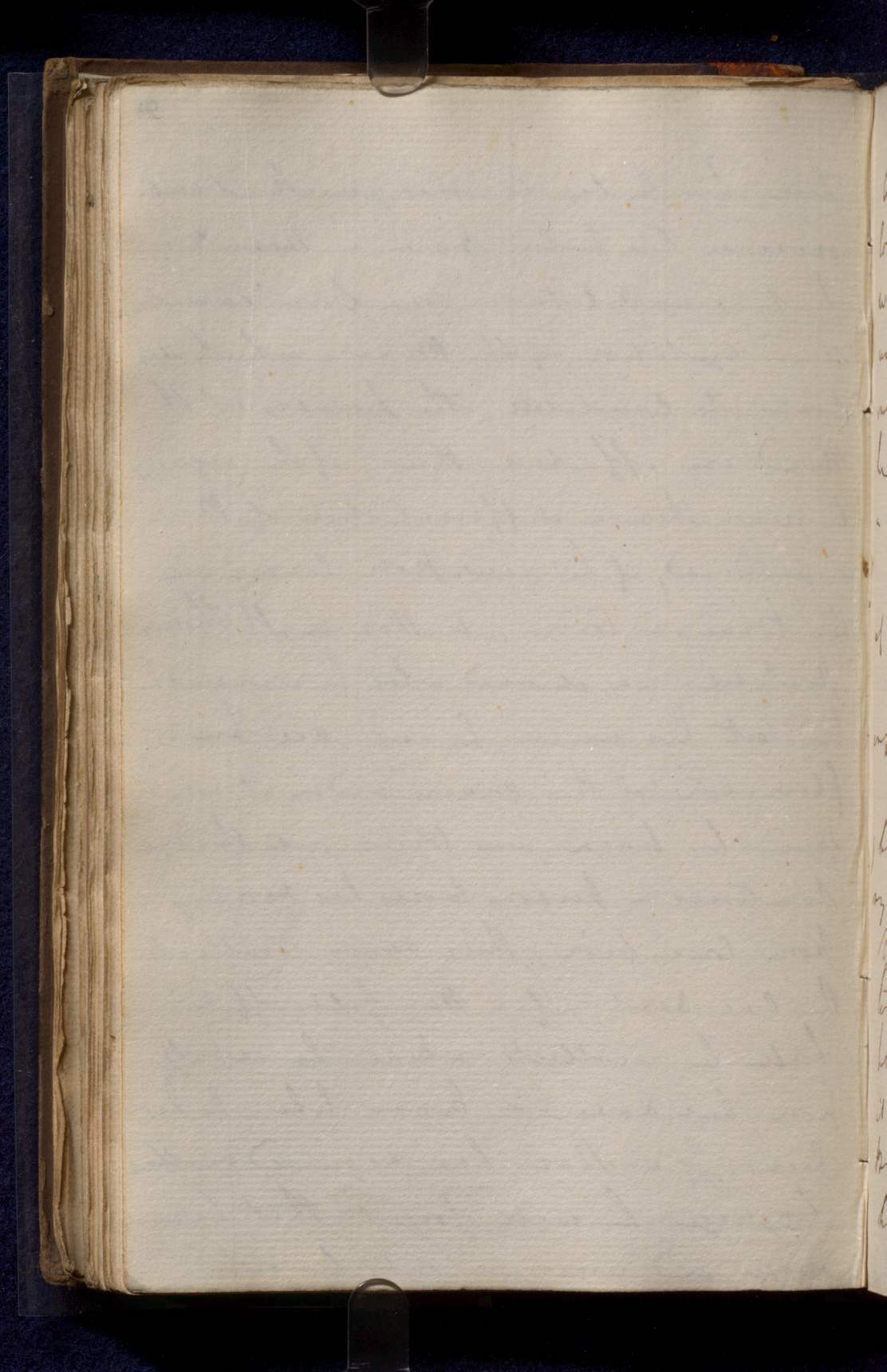
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deeps, after interrupted by sighs accompanied with apprehensive starts, showing great effect of the Nervous System. The heart is affected in the same way. Pulse is irregular, hard and laboured, not more than 50 to 60 in a minute. This indicates great injury to the brain, but is debilitated, or one dilated and one contracted, then is the symptom of the most violent concussion. A person is sometimes stunned he awakes and returns to his work, the voice is sometimes lost - hemiplegia sometimes produced. symptoms vary according to the degree of injury. The causes of these symptoms are either concussion or compression.

Concussion the patient appears to be in a deep sleep, countenance haggard, he has vomiting and faces and skin may have faded off involuntarily, but regular and breathing also, if you rouse



him his pulse becomes quick it will
 increase his pulse 30 in a Minute,
 but its undeluted coarctation something
 is an exaltation of the Brain which dis-
 turbs its circulation, the powers of the
 Mind are affected thus, if the injury
 be great then a different state of Brain
 is produced, if he dies from concussion
 the Brain is torn, a Man in St Thomas
 Hospital was stunned when he recovered he
 had lost his voice, he soon died and in
 examination of the Brain and in it was
 found his brain was torn over the eye
 Sometimes a person loses his memory
 from concussion, thus never recollects
 the accident, if a Man falls off his
 horse he recollects where he set off
 from, but does not know where he has
 been. If a Man has acquired another
 language he will forget that language
 and remember only his own

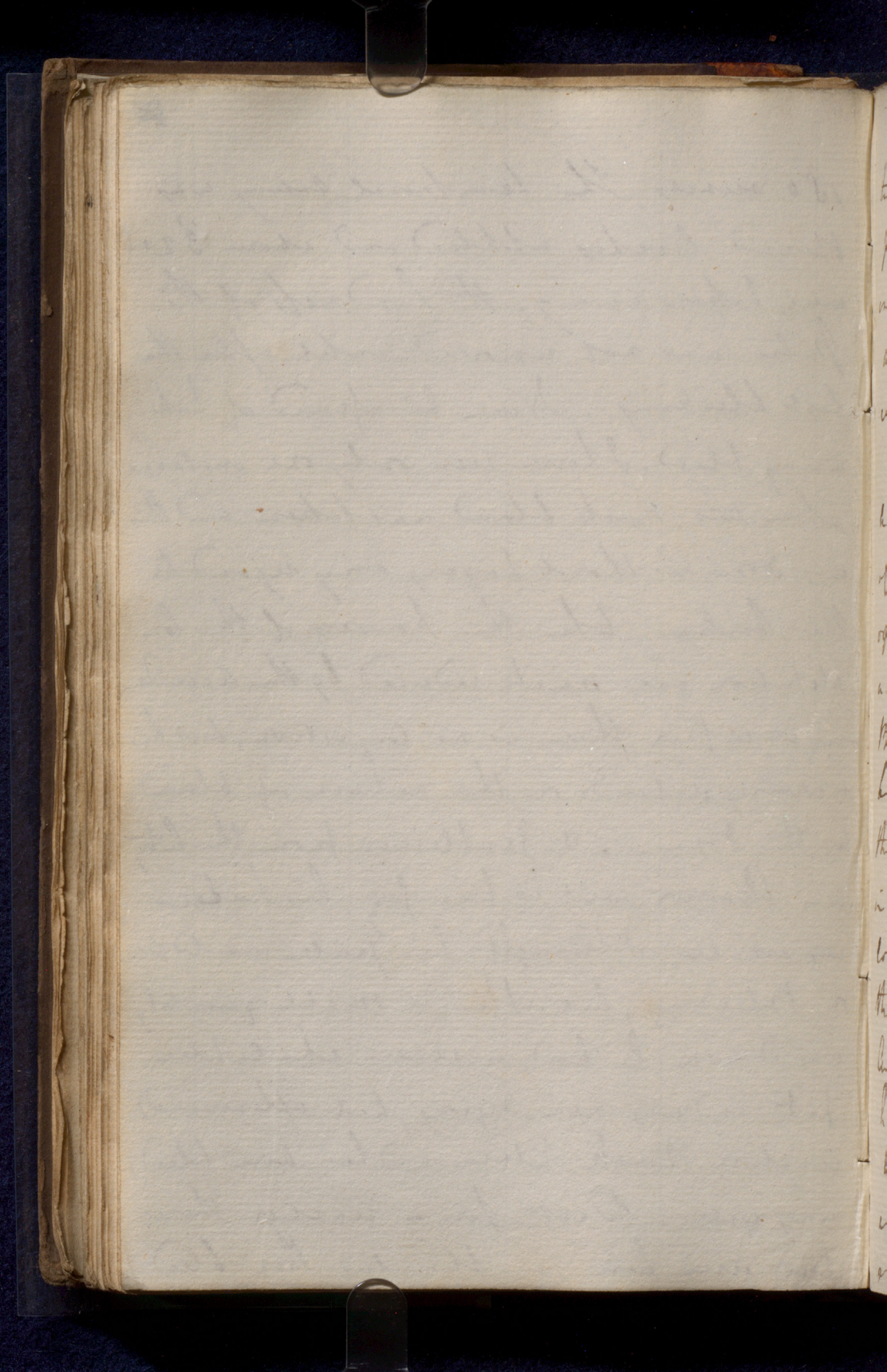


A man was admitted into Jungs under
 concubine and when he recovered he
 was speaking a language which no one
 understood, it happened a Welsh girl came
 into the room and understood him for
 he was speaking Welsh. I remember
 a person under the same circumstances
 a person under concubine has a loss
 of automatic action.

Heat of concubine friend against
 inflammation for this is the only danger
 blood very largely, and after one (large)
 bleed, until the pulse, and if necessary
 you must bleed again and again.
 You ought to use your blood 3
 times a day at first. Sometimes
 before you can subdue inflammation
 it is necessary to take about 200 of
 blood. A gentleman was thrown from
 his leg he was bled in the first day,

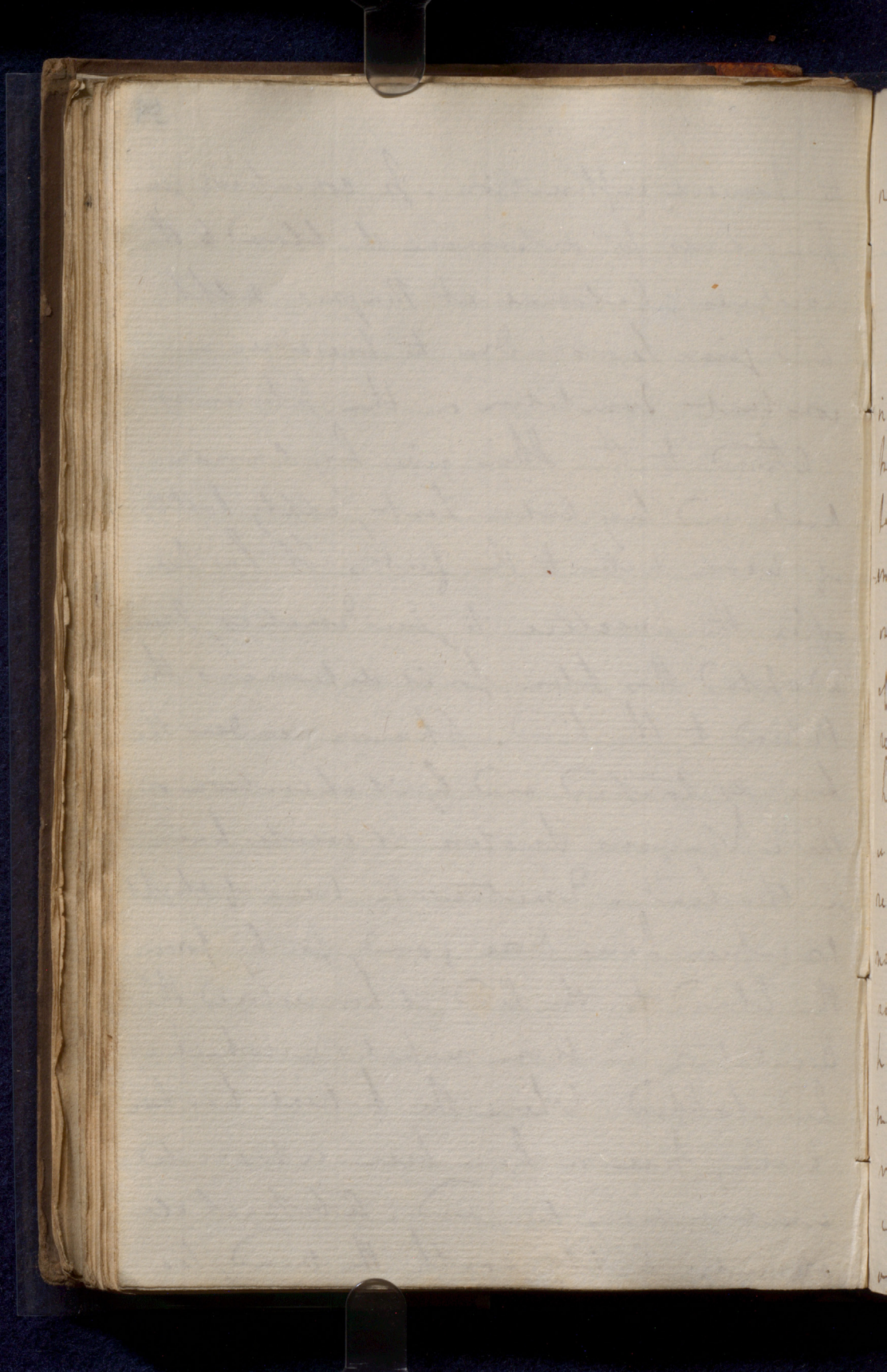
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150 ounces, the temporal artery was
 opened twice applied and about 3200
 were taken away, the hardness of the
 pulse was not removed until after the
 last bleeding. Never he appeared of taking
 away blood. I have seen only one instance
 when too much blood was taken and this
 was done without paying any regard to
 the pulse. When the powers of the con-
 striction are much reduced by the bleeding,
 - in convulsion there is no longer one, but his
 recovery depends on the return of blood
 to the brain. A Gentleman from the City
 was thrown out of his pig, his pulse
 was small I thought - his father would use
 a bleeding, but after a small quantity
 was drawn he had a severe epileptic
 fit and was near dying, but afterwards
 reaction took place and he bore blood
 very well. Wait for a reaction there
 for you have a stimulus then bleed



to prevent inflammation. In consumption give
purgatives to determine the blood to the
intestines. Calomel at Night, will
also give leucorrhoea to preserve a
constant Irritation on the Intestines

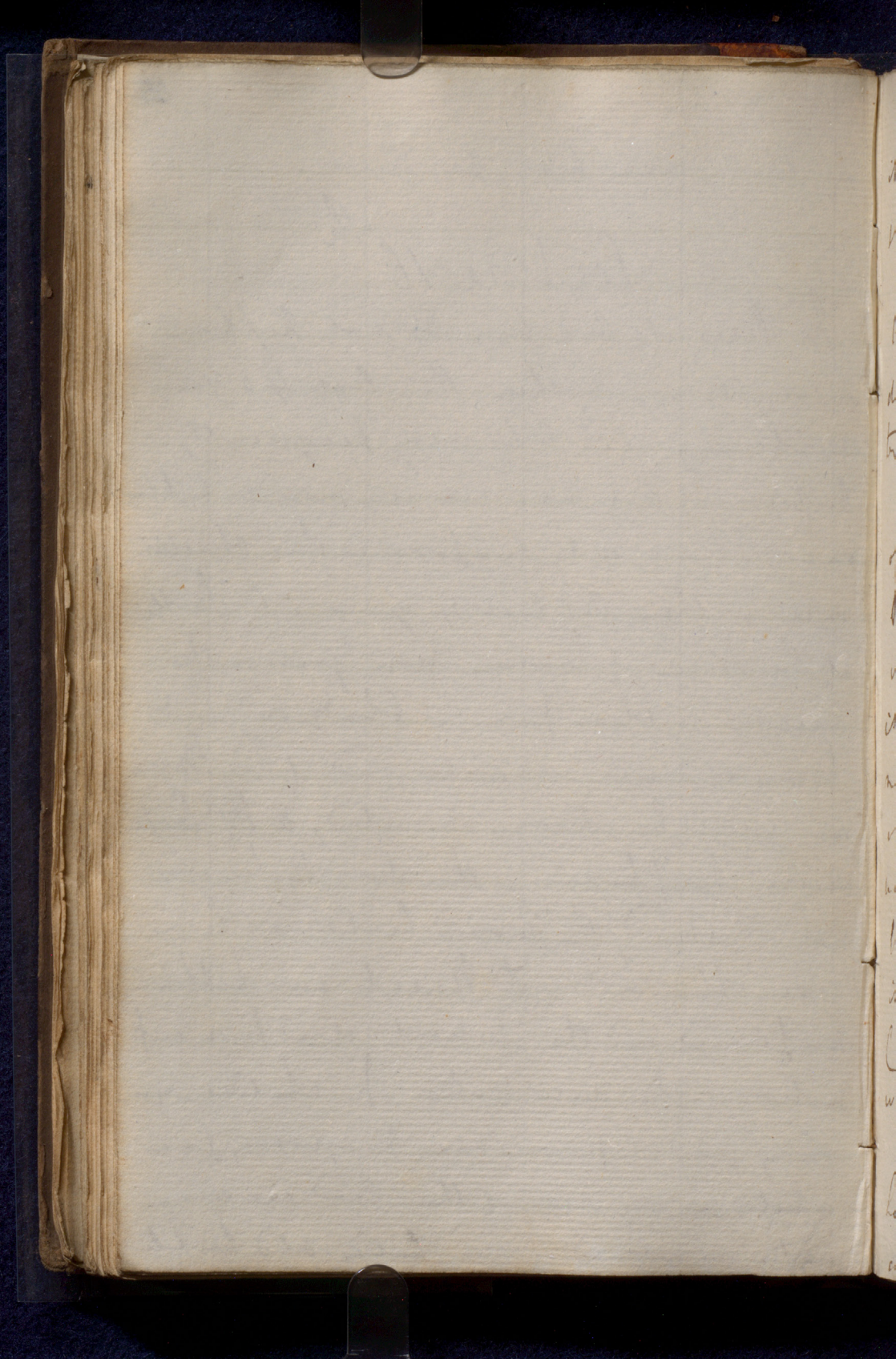
Attend to the Skin give big emme-
rals and big warm Lint, apply bottles
of warm water to the feet. It has been
often the practice to give Emetics, I never
adopted this plan for it determines the
Blood to the head. Opium renders the
bowels torpid and by its action on
the Nervous System it creates pain
in the head. Emetics in cases of slight
consumption have done good, for by forcing
the blood to the head it has restored the
Circulation in those vessels in which it
had stopped. When the patient has been
living free or have been intoxicated
emetics may be good. Abstract all
stimuli, light, soothe the mind, tea



or Water are best for Drink.

Lecture 16th

The Cases of Cranium do not happen in any case, within the last 40 years happening used to be very frequently performed, but now we are more enlightened, I have only performed this operation once within the last 4 years. A Gentleman of the Name of Luxner from Yarmouth received a blow from a bludgeon, went home and was very ill, and if his Brain was excited he always vomited, a Mr. Cooper recommended trephining, the dura Mater was not thickened, the wound healed but he died soon afterwards. Dr. Haast saw trephining performed and the Patient died from infection of the dura Mater. In children you may give a farinaceous Protopsis, for in children injuries of the Head are very often recovered from, but in old people

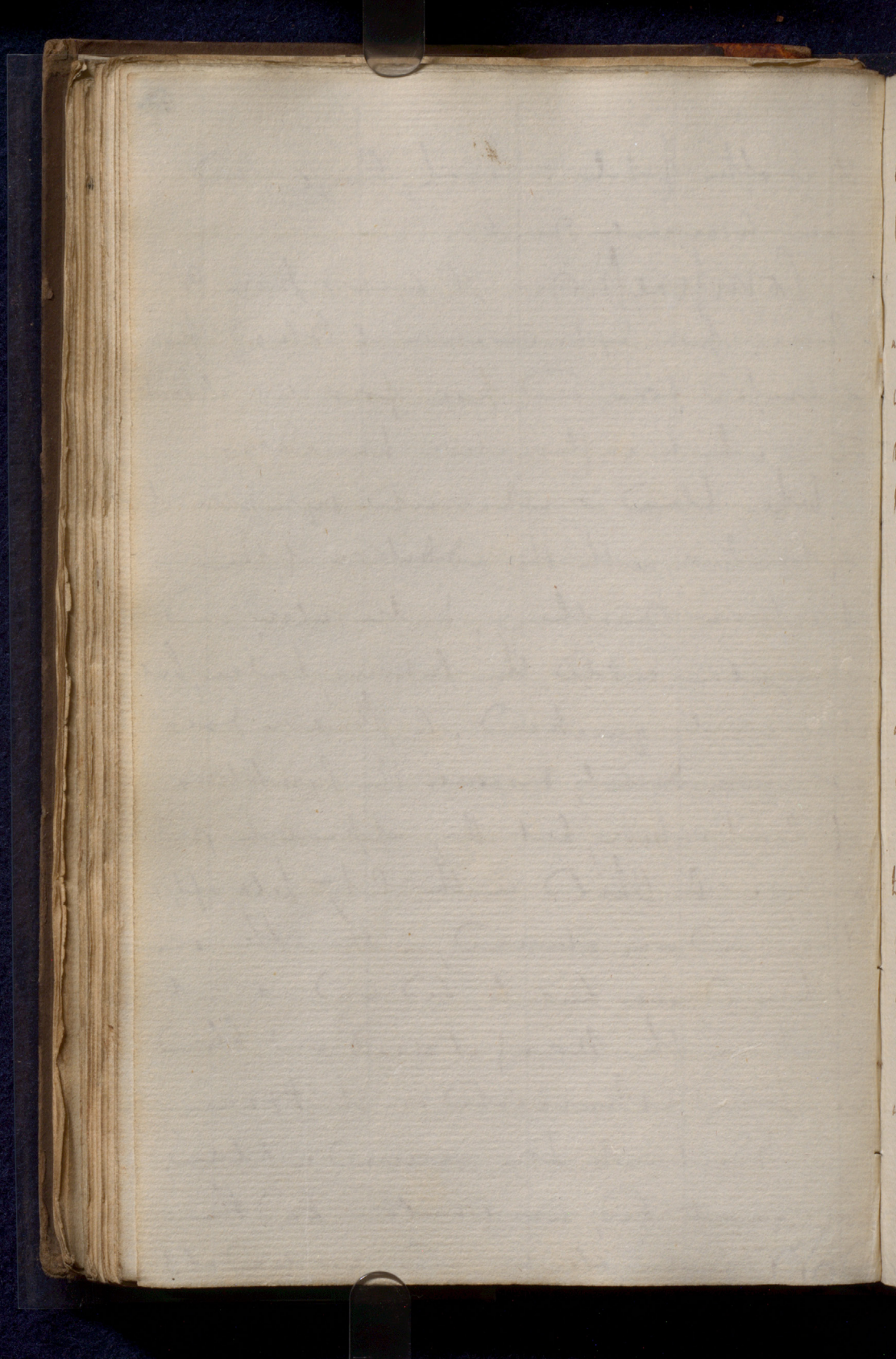


it is often fatal. Leech, Purge, and give arsenic drinks.

Compression. It arises from 3 causes, from extravasation of blood, from dislocated bone, and from formation of matter in which inflammation breeds.

When blood is extravasated symptoms of locomotion, with the addition of the Stertorous Breathing, pulse slow and irregular called the laboring pulse, but it is easily quickened. A Person does not immediately discover the symptoms of Compression, but they approach gradually. A Child in the City fell off a Chair and was stunned, in the afternoon it played, was put to bed and at 2 o'clock in the morning it died and blood was found extravasated on the brain.

A Merchant's Son received a blow, he went to bed, was comatose had the apoplectic stertor and was dead at 3



At lock in the morning. Consumption and
Consumption often run into each other.

Consumption when accompanied with haem-
aturia has blood effused and thus consump-
tion is produced. When blood is exha-
usted it generally is between the Dura
Mater and Pons, the 2^d seat is between
the Pica Mater and Brain if a Man falls
from high place he dies in 4 hours and
blood is effused between the Pica Mater
and Brain. Blood is exhausted in
the substance of the Brain sometimes

Treat-¹-ment- there is Consumption, blood
to prevent further exhaeration, after
this the nature of the blood produces in
them, therefore the debility plan is to be
followed. If the Death has been wounded
and the injury has been received on the
head and not any of the Pericard Pons
and the debility plan has not been
successful then Trepanning, it is now done

Mr. Lywell does not account a young
lupine to Antioch but to Syria
after the character his drying and
color and upon the eyes
He thinks that in case the legs
higher than usual and the
line of the feet is not so good
to prevent them from drying
which is the best of them in drying
first general tendency - looking
old person. After standing
now dry legs in case of those
dried with some looking. The
marking after the character is within
nature of the bones and the
reference free.

not find extravasation do not hinder the
 Pic. Mater to find it. Fractures of
 the Skull they do not in themselves
 produce any injury to the brain, when
 symptoms accompany fracture it is from
 laceration or compression. Fractures are
 often attended with extravasation then
 for symptoms of compression will arise.

Fractures of the skull are either simple
 or comp. When a fracture of the
 skull has taken place it unites like the
 parts of bone, and if a portion of bone has
 been detached detached and falls down
 again on the same surface it unites. a
 hole from buckhaming is filled up
 by a bony substance. Fractures some
 times take place at the base of the
 cranium in sailors when they fall
 from the yard and back in the or
 Accidents. They are found in a state

are always when the fact is
admitted, and the fact is usually
no admission of the fact, not so you
may convince by the authorities
of others, the fact is not
in question if not entered
for admission of such authority
when the connection of the fact
if the connection is not your
most satisfactory
before you reach what
to the knowledge of some important
is saying the authority and
the fact is not entered into
the fact is not entered into
of the other fact, by which means
means the other to himself - a card
among the fact is not entered
it is not the right a left eye

of concussion or contusion. Now and then
fracture of the base of the orbit takes
place. A child struck - for of Scipio
at the upper part of the orbit and on
the 5th day had inflammation of the brain
and she died - the Scipio had entered the
ant-m lobe. When there is bleed from
the eye the fracture is at the base
and the patient generally dies. Fractures
require attention and if the blood is
expurgated better.

Fractures with Subserpion In
consequence of ^{blows} the skull being is often
broken in and will be born very well
after, a person may be rendered com-
bore for 12 months from subserpion and
he will recover afterward. In 1800
Mr Clin had a case a man was brought
here in a comatose state taken from
his Majesty's ship in the Mediterranean

If Mr. Oakes is about the eye of
 45 it is hard, and if of any other
 color in the article. In the former
 under 40 to 50 years old and estimated
 after
 operation of Encephalitis before
 you check upon another that was
 as it were, and that the patient

My dear Mr. Pickers
 comes from some country
 Mr. Oakes after the manner
 of the common place - I have
 common with Mr. Oakes in the
 part in the article of the
 article of the article of the article
 comes after
 operation of the article
 operation of the article
 operation of the article

he was at the Hospital at Gibraltar
 he breathed and his fingers moved then
 were the only symptoms of life, he was
 brought to Bedford and remained there
 some time, and when very lumpy
 he rubbed his teeth together, he was
 brought home and Mr. Cline thought him
 he to raise the delirium which he was
 into 12 months and when the man
 was raised his fingers ceased to move,
 this was at one O'clock and at four he
 was sitting at his bedside, he could not
 speak for several days, in 4 days he
 began to utter a few words, and he could
 remember nothing since his embarkment.

In cases of delirium where there has
 been mental deterioration you may at
 any time after restore the mind by re-
 moving that delirium.

Lecture 17th

I have of the Act or about it,
 it is the rule and back for the
 all sorts in death inwards &
 forward and vice versa, it
 is of consequence to know that
 you know the business in which
 the ship is - you
 of course should know the
 Act and the - By the way
 I am speaking of business, but
 in the office of the Admiralty
 I engage from the Admiralty
 J. H. - Information given
 the ship by the Admiralty
 I generally say out of a few
 I see the ship and the
 certificate of -
 Admiralty office of the
 Act. I see the Admiralty
 with the Act.

Fractures with Depression

A difference of opinion has been maintained respecting the treatment of these cases. Fractures with depression are either simple or compd. When the fracture is simple if the depression is considerable inflammation of the brain does not occur, but in compound fractures inflammation will come on at a distant period. You must not suppose every case which appears to be depressed, is depressed, for if a bone is fractured very much there is no effusion of blood in the bone itself, but into the surrounding cellular membrane, and thus the appearance is depressed. If the head be struck with the point of any thing as the corner of a brick the appearance of depression is most considerable and deceptive. Treatment If a simple fracture without symptoms

showing the same system of the
and answered that there is no
ally the same of future destroying
the same is the most common
conforming system: but such
like. Some of the same people
mentioned and mentioned when the
and such as mentioned when the
had the same looking at this
of the same the same
known Mr. M. from before he
some received, first in the
step a short and ended of the
are a little which is covered by the
and. The same of the same of
the same.

of injury to the Brain you must de-
 plete. If Trache and Dehydration with
 symptoms of injury to the Brain, de-
 plete and watch your patient, and
 if he is not relieved in a few hours
 you must trephine. In comp'd Trache
 with symptoms of injury to the Brain
 and dehydration trephine directly, for
 if you wait until inflammation has
 begun, you cannot by trephining
 stop it. A Man from Welworth
 under Mr Clin aged 42 had a comp'd
 Trache with dehydration, the Man walked
 into the Theatre and after the Operation
 was performed walked into the ward
 and had not the least untoward
 symptom. Another Man under
 Mr Birch refused to submit to the
 Operation of trephining, and at length
 inflammation began, and he then sub-
 mitted but too late, for the infla-

with so or if once begun, and the operation adds to the Irritation already presented. 2 boys in fury under Mr Lucas. 1 with a fracture with the fracture on the os frontis he was opened upon and he did well, the other had a fracture on the Parietal Bone his mother would not let the operation be performed and in a fortnight he had inflammation of the Brain, his mother then consented but it was too late for operation would go on and the boy died. If you can use the Elevator asked of the Surgeon do it. The little symptoms may arise from a depressed bone at some time after you cut down him well. The least shake of Bone depending the dura Mater or producing irritation will bring on Rheumatic fits. Wounds of the Brain, wound of the Brain

like fracture of the skull do not in themselves produce any attention of the powers of the mind or functions of the body unless accompanied with a severe action. Tumors from the brain is a second effect arising from a wound, sometimes from the Dura Mater, but generally from the brain itself, and the brain sometimes sloughs so that the ventricles are laid open.

A portion of the brain is sometimes lost from a wound and yet the functions of the mind will continue just as before.

A man in St Thomas had a portion of brain thrown on the os frontis and he recovered without any inflammation of the brain. A gentleman in the West Indies had Fever 3 months, and an Abscess formed under the Parietal Bone, and a Tumor projected, he had pain in the head, and vomited

after 3 days before his death he eat
a good dinner, and spoke rationally
5 minutes before he died, one hernia
there was converted into a substance
of a blue green and no part of the
structure could be traced. If a
Brain be wounded by a piece of Bone
being driven in, and it displaces as
much Brain as is equal to the size
of the Bone, the patient does not
suffer from contusion. When the
Brain is wounded, complete, but
not too much so as to prevent adha-
sive inflammation. Treatment of Fungus

The old surgeons used to cut out
the surrounding bone so as to give room
to the fungus, but your practice is
just the reverse. As soon as you
see a fungus beginning dip lint in
lime water and apply it over this

Wednesday dinner 2nd 1851
We ate the first of the
fine first best of the
-house of the 1851

Exquisite dinner on the 1851
generally on the 1851 and 1851
all possible, but something of
first also possible with the
first the first the 1851 and

the 1851. The 1851 of the
after coming with the 1851
the 1851 they had taken not
the 1851 with. The 1851
why the 1851 and 1851
with the 1851
even about the 1851
got without showing the
home and 1851
then from 1851

back.

put- adhesive plaster, so as to prevent
 the fungus raising, apply a double
 headed roller and remove it once a day
 if the fungus projects with a hook
 to it apply a ligature and cut it
 thro by it- and then apply your
 Lent- ll. After injuries the
 Brain inflames, and there are the
 symptoms, Pain, rigors sometimes
 twice in 24 hours, heat, and flushing
 of the face, redness of the eye, parotid
 heat strongly, sickness, the appearance
 of the wound is fleshy, and bloody serum
 is discharged, and the Scab becomes
 Adenaceous, these symptoms appear
 later in inflammation of the Brain than
 in any other part- symptoms occur
 in 6 or 8 days after the injury is received
 and even months after. If the prostate
 line be opened and if the person
 blows his nose you will hear his

fouled smelted and air is effused
 and if a comb^d tube the air will
 escape. When Matter is formed in
 the Brain between the Dura Mater
 and Skull sometimes this breaks
 in the Longitudinal sinues. Some
 times there is an abscess in the longi
 tudinal sinus itself a Woman thus
 situated had 17 Months after the Abs
 cess was formed, and a discharge from
 the Nose after taking Place, Matter
 may be formed between the Pia
 Mater and Brain, and it may sit
 in the Brain itself. A Child just
 able to walk had a peck from a Cock
 and on the 2nd week after the child
 was brought to me, I ordered the de
 pletory plan to be followed, I after
 wards found a Hole thro which the
 beak of the Cock had passed, and there
 was a Hole in the Dura Mater

also, it was supposed and a Hole
 was found in the Pic Mater, and an
 abscess in the brain. In inflam:
 debilitate, bleed ably, leeches and open
 the temporal artery, Calomel Purges
 Mergel's Linctus & Inf Lenny ably
 Bolsters, to the Head, and if these do
 not succeed you may make an incision
 and if you believe matter is under the
 Bone, then you must trephine, the
 only danger in trephining is injuring
 the Brain Matter. In trephining
 avoid the line from the Nosi to the
 Occiput, avoid the Ant and Inf angle
 of the Parietal Bone. Above the orbits
 it is of no use to trephine

Lecture 18th

After trephining bring the edges of the
 wound nearly together and ably a
 Poultice, Iffen which issues or in

169

Injury of the Spinal arises from the injury
to the Os Frontis, and on account of the
Proximity of the Brain, inflammation often takes
place in the Pia Mater, and effusion
takes place between this meninges
and the Dura Mater. It is wound of the
Spinal bleed and apply poultices, bleed
and purge. Matter is often produced
between the Lendons of the accubate Front
and requires early excision, after de-
pletion should empyeum follow
treat it with stimulus as advised

Injuries of the Spine

Injuries of the Spine from external
violence and the effects produced are
similar to those produced in injury
of the Brain, bleed by tapping, or the
injured part, and reheat it if neces-
sary, apply Cat. Font. 3; Ungt. Scuria.

I never received. There is
 I should be an ornament for the
 other study, after the manner of
 historians of the most remarkable
 first & best study, which makes
 your memory - I should be in
 order from making others
 first and last of every subject
 in the art and practice made and
 then the book is obliged to be
 the more easy, but not to be
 made for 3 or 4 days and it is not
 in my estimation. I have not
 the book. It is full of
 and I tell you in the order
 into Holborn. When with
 is found with a free library and
 I should be the very ornament of the
 45! We receive at the book

By the rupture is produced, and if
this does not succeed apply to the
They generally recover from concussion.

Sometimes a fracture takes place
in consequence of injuries. A young
gentleman was swinging and was caught
by the neck bent his back and hurt it
he could stand, but soon became lame by the
and was brought to town, he was very
wretched and soon died, and blood was
found in the canal of the cervical vertebrae.

All that can be done in a fracture
is to debilitate fully and promote absorption
of that already thrown out. Prepare
on the skin in consequence of fracture
of the vertebrae and the hemorrhage has
up proper on the spinal marrow.

Above the lumbar vertebrae and
lower require when fractures occur
the spinal marrow is generally torn.

but if below the C & R it is not torn.

The threat here is to saw off the
spinal arch, two attempts as yet have
only been made, what may be the
result of this practice is not yet proved
but a man is justified in performing
it, for without it death is sure to
follow.

Aneurysm It is a pulsatory
tumour, hollow, containing blood, and
communicating with the interior of an
artery. Aneurysm of the Heart is the
only exception and here you must
substitute the heart for an artery.

Aneurysm of 2 kinds External &
Internal. External is visible as in
the Extremities, Internal as in the
Abdomen, Chest and Skull.

External Aneurysm Symptoms are
divided into 3 stages. 1st Stage tu-
-mour pulsating with next strength. If

you compress the tumour you can empty it, the sac remains and is often thickened, when you remove the pressure the tumour swells and pulsates, in this stage there is no pain and no discoloration of the skin, but the patient is often subject to cramp in the night.

2nd Stage swelling becomes hard, pulsation less distinct not felt in every part of the tumour, and this best where it is felt best is just below the opening of the artery, now there is pain from the stretching of the surrounding part - is often lacerated in this stage that a degenerative state of the limbs below occurs. 3rd Stage slight inflammation on the skin at the point where the pulsation is most distinct and this inflammation is succeeded by necrosis and when the cuticle is detached the skin beneath is dead and it looks as if Pot. Lusa. had been applied, it begins

to separate at the edge and bleeds
 into the aneurismal sac, and when this is
 done blood spurts and death follows.
 But now when blood begins to form
 clots of Paris is applied and a roller
 applied over it - and thus you can keep
 the patient alive some time. A woman
 lived 27 days after this took place, some
 times the person dies instantly on the
 rupture of the vessel, but - people gene-
 rally die from aneurism, not from the
 sudden jet of blood, but from repeated
 bleedings, besides this gangrene is
 produced in the limb in which the
 aneurism is situated, and unless ampu-
 tation is performed the patient dies from it.

Int-Aneurisms produce different
 symptoms according to their seat.

The Heart is subject to aneurism
 but the heart may be enlarged without
 aneurism, I have seen but 3 cases of

of aneurism of the Heart, a Man was sent to be flogged he would not complain but held his breath all the time, he appeared to have inflammation of the Chest and was several times bled, his excretories were sedentary, and on the Dissection blood was found in the left cavity of the Chest from the bursting of an aneurism.

An aneurism of the left auricle was next wound. The Aorta when the Pericardium is reflected over it is not subject to aneurism. An old friend of mine had an aneurism of the Heart a Medical Man, and I would not tell him what it was, but another Man said good bye. Knowing you have got an aneurism, and went home and took all the care as was possible, but he soon died. A Man had a Prolaps Aneurism and he sat down to have the operation performed, but on the first incision

1st July. A flycatcher seen
 the eye - (covered by 700 e but
 fine y 1/3 - then a 11 days ago and
 see flycatcher - go to 10 days ago
 green back - then 1 off that you were
 with the flycatcher - 11 days ago
 the flycatcher was seen 11 days ago
 a red winged blackbird seen on
 24 June.
 When there was a lot of the bird
 seen in the park and I saw it all over
 from you would try a bird
 it was very different to the first
 I saw of the same. It was a white
 dark brown, looking up light, light yellowish
 just about the head. This change in
 as now that the flycatcher was
 seen on 11 July.

his Urine started and he soon died from
 the bursting of the Aorta an Aneurism
 was growing and it had given away. In
 the ascending Aorta Aneurism is very com-
 mon, and when aneurism is in the chest
 it usually projects on the right side
 of the Sternum and absorbs the Cartilages
 of the Ribs and Intercostals and discharge
 itself externally. There is cough but no
 expectoration. At the curvature of the
 Aorta Aneurism is very common. I
 was requested to see a Lesson laboring under
 an Aneurism of the Carotid but I found
 it had lead down almost to the curvature
 of the Aorta, and when he died it was
 found to be an Aneurism of the Aorta
 similar to a funnel the neck being
 from the Aorta. Mr A Munro Surgeon
 at Glasgow had a patient with an
 Aneurism of the Arteria Innominate, I
 told him to take care it was not an

Aneurism of the Aorta, but before the letter arrived he thought proper not to operate, the Man died and it was found to be aneurism of the Aorta. Aneurism of the Aorta sometimes breaks into the Trachea, and thus produces death.

Beyond the curvature of the Aorta aneurism sometimes occurs and by pushing on the Trachea produces suffocation.

Sometimes it bursts into the Aesophagus. Mr Lucas had a case of this sort and his patient vomited a great deal of blood. Aneurism in the Abdomen if below the Diaphragm and above the Stomach they produce nausea and vomiting.

He then had a pulmonary tumour at the Scrobiculus Cordis above the Calice Artery, and whenever he took food he vomited. Aneurisms sometimes burst into the abdomen, and sometimes they break the intestine and burst into them.

1871. entrance of light. The water
 and dry and thick great return.
 sometimes the sun is affected. Carved
 coral a mass of party and between the
 structure. The first, Corals under
 looking the sea on rock. There is the
 the night light of the sea
 that yellow is an application of the
 the same is put at night that
 where are now the same of the
 round the light. You are at the
 and when there are the same
 after the light is finished
 the same is the same.

A Gentleman had a pulsatory tumour
in the abdomen he discharged blood by
the Mouth and Intestines.

Lecture 19.th —

When aneurism is situated between the
Aorta and Spine the aneurismal sac
towards the Spine is absorbed and then
the Vertebrae are absorbed, they sometimes
appear at the Pelvis when this is the case
I saw one of the Surgeons of this Hospital
oper on aneurism in the Loins, therefore
be careful to distinguish aneurism from
other tumours. In general when thus
situated the pulsation is not distinct
but it has a solid feel. Aneurism
at the bifurcation of the Aorta have
no particular symptoms, aneurism is some-
times situated under the Gluteus Major
it is not from the Gluteal or Sciatic
artery but it is the every way of the

1st Iliac artery. The neck proceeds from the Iliac artery and then you must tie the 1st Iliac in the Pelvis. Some times there is a general disposition to aneurism. If aneurism is situated at a joint it is only a local affection, but if not situated near a joint there is a general disposition to aneurism.

I have seen 7 aneurism in the same man. His Iliac artery was tied, he afterwards had aneurism at the bifurcation of the aorta and he died, he had one at the Ham, 2 between the Ham and tendon of the biceps, 1 in the thigh, 1 where the Artery Proprius begins, 1 at the bifurcation of the aorta, 1 at the groin. If aneurism is situated at the groin the operation is successful, but if between the joints the generally die. From 30 to 50 aneurism is most frequent 11 years is the earliest period at which I have

same journey in addition,
Freda with her mother, brother
and Henry, all by truck, while
John & the son, James with horse
and cart, for the fine morning to
visit the office at 11 o'clock, from
returning to the place where the
administration office is formed, all by
truck, they in certain instances
a good way, mostly between 10
and 11 o'clock, from 10 to 12 hours
then attend with a party of whom
I and the others, from 11 o'clock
to 12 o'clock and from 12 o'clock
with a fine morning

Doyle of the house a house
born, first Anthony, slight which
will have built a house. When the
distance is for you can find out
them or the of much distance

know an aneurism so is the greatest age 119
69 the rest both underwent the operation and did well. Age is no bar to the operation, old persons do better under an operation than young ones, if the artery be reduced they do better than when very strong and it is not the aneurism you have to dread but the inflammation therefore reduce the patient before you operate. Sex Males have this disease much more frequent than women in the proportion of 6 to 1. I have seen 9 females with aneurism and 60 Males

Feel for the pulsation, but you may have pulsation without aneurism and you may have aneurism with little pulsation. Watch the disease put your finger on the artery above the swelling and if aneurism the swelling decreases, then take your finger off and

and it is correct with history, reason
the thought of the subject may be
human. With this thought before
at rest. It is a kind of a
most uncomfortable position
of the system is everywhere you are
the up coming world the history of
science you do not see the development
spacely of the science comes from
Mills, who may have the opportunity
Nobels is interested in that
the science. You may often understand
system of the science. Quite a few
existing from some distance away, where
in a light of the science are, in fact
we are really interested, and we are
of the subject of the science. The history
in some cases a lot of thought is often
of the science more or less on some matter
is forming, it is a kind of a history

the swelling, venous, and pulsates ¹²⁰ of an

If a swelling be on an artery ~~the pulsation~~ like that of the swelling and raise it if a tumor or an artery the pulsation ceases, but if aneurism it continues.

In aneurism there is a pulsation in every part, if a tumor it only in that part opposite the artery on which it rests.

Inspection and Location of Aneurism when you lay bare the aneurism bag you find it contained not of the coats of the artery, but sometimes of muscles sometimes of cartilages of the ribs and sternum and when these are opened the Pectoral muscles forms a part of the bag; Every common aneurism is what the old surgeons called Spurious when you open the sac you see layers of fibrous matter and that nearest the sac is the largest, layer after layer

Black

Ammonite, in black & yellow

root with the outer bark showing

then united off, break the root into

1. smaller and small of root and

added in water or in water.

offspring of human when the water

has a desire in generally connected

with disease. Continued in water

of the organism. - Jolly known between

the corner and inner denture the dent

when is taken from water, a connection

you take the 1st.

Disease of the corner

Water of the corner in connection with

system of the organism. The water

in body in part a change, some time

the water in connection with

the water in connection with

the water in connection with

the water in connection with

is found in nature, & see like the 12th
Anatomical Soc many things, when you
cut thro these layers you find coagulated
blood, remove this and you then find
the opening of the artery. A common dis-
ease is found thus, in the first stage, there
is a white spot in the artery, then begins
to ulcerate, a layer of adhesive matter
is then thrown out and lines the inner
coat - the coats surround the artery
when, this process of ulceration is
always going on in the excision, one
coat is found to decay and absorbed
tomorrow, about the last which
first ulcerates is the opening of the
artery. There are some exceptions to
this rule, sometimes the coats of the
artery yield but this is not a common
excision, only ulceration, & the coats
are not ulcerated and this is what is

most Anemism by debilitation. Anemism
 are sometimes produced by culture,
 wounds &c. A gentleman shooting
 killed a duck slipped from the bank
 into the ditch, felt something snare in
 his arm and in 3 weeks he was stricken
 when for Poth Anemism. A gentleman
 running himself in had felt something
 snare in his wrist it was a radical Anem-
 ism, prepare was made but it did not
 stop the Anemism, I operated and he did
 well. Anemism is sometimes produced
 from fracture and the scar is formed
 in common Anemism. If the artery be
 divided the scar is not produced. 4
 Causes of Anemism 1 Plethora 2 In-
 debilitation 3 Rupture, 4 Puncture.

Treatment alike in all. Anemism
 sometimes undergoes spontaneous cure
 Poth Anemism especially. It is hopeful

In any aneurism this may occur. Aneurism
is not benefited under any management—
but if there be pain you may bleed to
relieve it. Mr Brown was treated with
the utmost attention, he lived only a few
days however and he could live but 12 months.
A gentleman came in July and was bled
on the same plan but in Jan^y he died of
it. If you reduce too far then you only
increase their weakness, therefore endea-
vor to preserve their general strength.

Operation of Pott's Aneurism

The old operation consisted in exposing
a Loin-joint and Plugging the Patent was
placed on his face and a incision made
the whole length of the ~~Lo~~ Back the
Layers of the Sac when then removed, the
wound stopped away, loose the Loos
and a jet of arterial blood appears a
probe is put in that part of the artery nearest

124

the Heart - and secure it, loose the Loe
and you have another jet - of blood resembling
venous but - still it is arterial, in
nature a probe and try it again. The
artery is brought together as soon
as possible. Mr Hunter did not
consider it necessary to open the Artery
at leg therefore he tied the artery in the
thigh and made the blood take a cir-
cular course. When Mr Hunter performed
this operation he advised at the inner and
middle part of the thigh, but here the
artery is deeply seated and gives off nume-
rous anastomosing branches, therefore we
prefer the Operation $\frac{1}{3}$ down the length
of the thigh. Mr Hunter after tying
an artery left a 2nd Ligature to try if
the first gave way, but this adds to the
danger without the least advantage. Mr
Hunter cut off his Lecture close to

recommended but they do know
 consequence of being spotted.
Stomachy Afflictions dyspepsia from
 indigestion light-brushing association
 with it might, the appearance of
 the eye not in proportion to the symptoms
 (the disease is generally in childhood)
 there is no measure consistently - at other
 times a little consistently. It then is
 in fact, however, consistent. It then is
 the way is the other part? yes - because
 however consistent? A year past I thought
 because in this state a state
 of the eye? I think in and sometimes with
 of the eye. But also the human body
 for 5 months 90° but the state is
 from the blood. From the state of
 the blood. But also the human body
 the blood. But also the human body

the artery and thus produced abscesses ¹²⁵
which gave him much trouble.

New Mode of Operating. Place
the Patient on his back, his head raised,
knee turned out, make an incision 4
Inches in length obliquely on the Sartorius
its fibres are ~~bound~~ laid bare, place your
finger on the inner side of the Sartorius
and detach it from the Cell. Memb. draw
it on one side and you see the sheath of
the Lymphatic artery and vein, then open the
Cranial sheath and you lay bare the artery
detach it from the surrounding Tissue the
vein is between the artery and Bone deeper
down than the artery. If a Ligature be
applied to a artery which is much detached
and you apply the Ligature on the middle
you will have after bleeding, but if you place
your Ligature near the heart - where surrounded
by cellular Membrane you have no after

best of our children in the way
 teacher, although I have long been
 it I have been in the secular school
 and there is something more than
 about a different. In the school
 is possible you cannot in nature
 even with the eyes, then the
 more for their conduct in the
 known the history becomes more
 which, first of all, also generally
 top of them, with visible signs
 is found. With nothing more
 seen by us as of a person
 the side of the school, but at the
 by their conduct - but not much
 the side after 24 hours the school
 you the best, but you must wait
 the present time. The eyes are
 in them for the conduct they
 in them for the conduct they

126

bleeding because the artery in that heart does
not contract - as it does in the other case
having carried the ligature under the artery
but it is high as you can see then tie
it and the pulsation in the sac ceases
cut off one end of the ligature and close
the wound.

Lecture 20th

Employ a small lig, a broad one is slow
in the ulceration process and is slow in se-
lecting it excites much Fever. St Jones
was the first who gave a scientific view of the
action of a ligature on an artery, The int-
lock of an artery is broken and it passes into the
adhesive process much sooner than when
the coat - is not divided, this is the way an
artery adheres in a very short time when
a small ligature is used. It used to be
the practice to put a finger under the
artery, and the lig was applied on the outside

Ant. Alcega Jr. Jure End. Andros
8^{III} ult. In die in Thule

and the artery retracted, and as the ligament¹²⁷
cut the artery, the small opening was made
a large one by the retraction of the artery.

The artery is killed in consequence of
detaching it from the surrounding cellular
Membrane. When you bring the indurated
parts together leave antiseptics between the
Plaster to favor the escape of Matter.

Is not ably a roller it keeps for the
anastomosing vessels are broken by it, place a
warm stocking on the limb after the patient
is in bed. A gentleman performed the Oper-
ation for Prolapsed Arteries in the trunk his
feet were not particularly covered, and
the foot on the which the operation was
performed was quite cold, I rubbed the
limb till I found the blood circulated free
ly I made use of warm flannel and thus
restored the circulation. I always have a
warm stocking on the limb, without the

if not checked it will go into the
 general effluvia -
 Puerperal Effluvia -
 Effluvia, symptoms like common
 effluvia, just fever, just effluvia
 both earlier history, no past acute
 violent fever, some lower the
 body, and sometimes loose it in
 4 or 5 days. In children puerperal
 effluvia even from nursing
 as in - Puerperal Effluvia
 children descending, by blood (most
 vir cy with cy blood - 3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1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129

heat of the limb checked for the circulation is
inquired at first. The heat of the limb of
wrist or is 2 degrees more when the patient is
put to bed than in the opposite limb. The
doses of whiskey cold however is very
inconsiderable, but the limb be placed on
the outer side so as not to press on the
crossing vessels. Lesser now crises do
not be afraid to bleed for pyrexia does not
follow bleeding, but in a case where you
must not bleed. I always bleed before the
operation for aneurism. A lesser after
this operation is often subject to retention
of urine it takes place on the 2nd day
after the operation and remains about 3
days. In 12 or 14 days ligature on the
Lumbar artery succeeds, I have known
it succeed in 11 days, and I have known it
remain 28 days, but then some part beside
the artery is enclosed in the ligature.

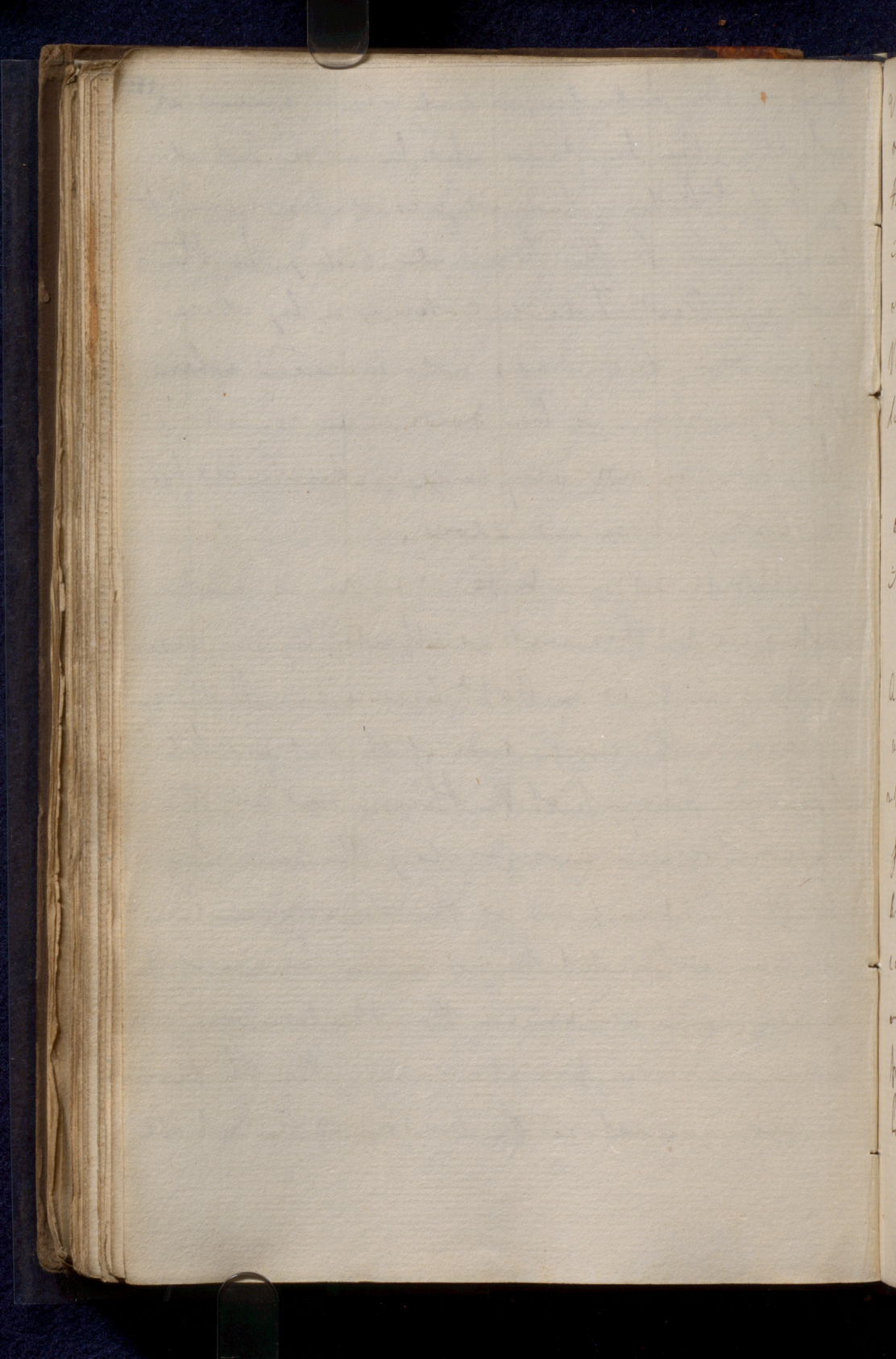
Under 20 days no force ought to be used in
separating a ligature, make the ligature
return the recurrent motion for 2 or
3 days after the Lig has returned. A
Man wounded the Femoral artery it was tied
the Ligature returned in 14 days and on
day he was sitting working his hand and
hemorrhage to place which was then
stopped by a second ligature. When the
femoral artery is tied it becomes adherent
to the Arteria Profunda and to the Arteria
circuli. Arteria Profunda send off
branches which are the nucleus of the new
arteriation this branch accompanies the
Sciatic Nerve into the Thigh and here
joins the Ant- and Post-Subil artery.

If a Man has hemorrhage under the for-
mation of the Femoral, to the
Ant-Subil by the Femoral, Mr Lucas
had a patient with an aneurism on the

Mr. Dyke on diseases of the
 eye. Simple ophthalmia or
 inflammation - symptoms
 heat, pain, watering & some for
 eye matter - the eye, getting red
 and from the watering eyes &
 dry and watering around the eye
 cause great trouble. Also see
 dust & the first seen symptoms the
 eye and if there is any sharp matter
 in the eye you must rub it
 it you must give about 10 drops
 ascorbic lotion - apply lotion, the
 water or brandy - by the
 distance 1/4" to 3/4" or 1" or 2"
 Apply 1 or 2 -
 Further ophthalmia symptoms
 the same as the first and it is given
 they put with in children of a
 wash with cold and the eye is of

head of the Tendon, and it was a question whether the ligature sh^d be on the Tendon or Post. Tendon, but it was determined to be applied to the Tendon. In the Ant- and Post Tendon arteries a ligature above the Sac does not succeed, when the Aneurism is low down you must - if the Sac be not very large - after the end of the artery above and below.

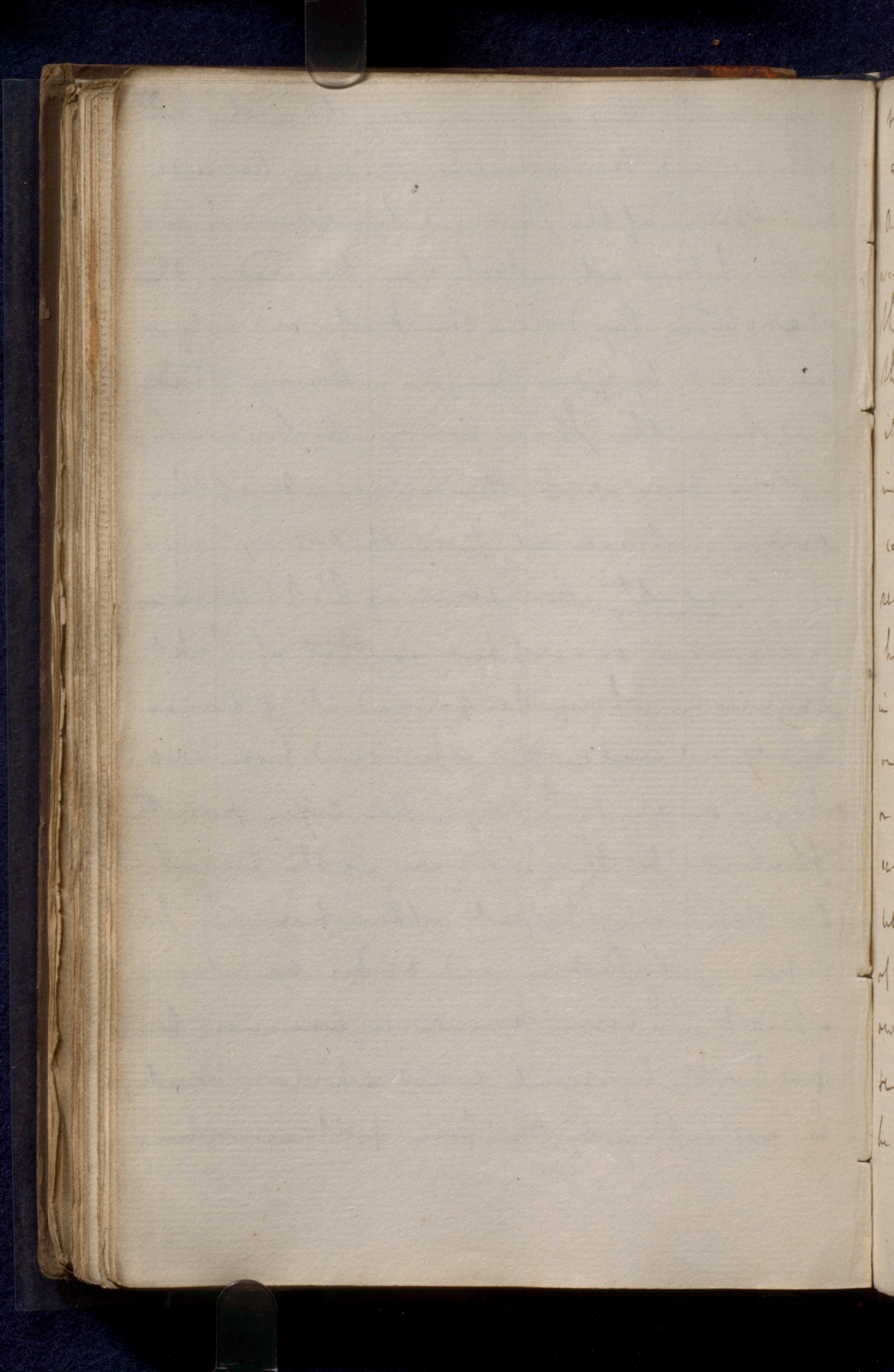
Aneurism at the Groin is not infrequent this Art- is affected by the motion of the joint - as in Post. Aneurism. Make an incision on the inner side of the Ant- and Post. Artery, of the Groin and let the incision form a curve along Poupart's Lig. to the upper part of the abdominal ring if you attempt to cut in the course of the artery you endanger the Poupart's and have no room for checking. By the first incision you expose the tendon of the Art- obl.



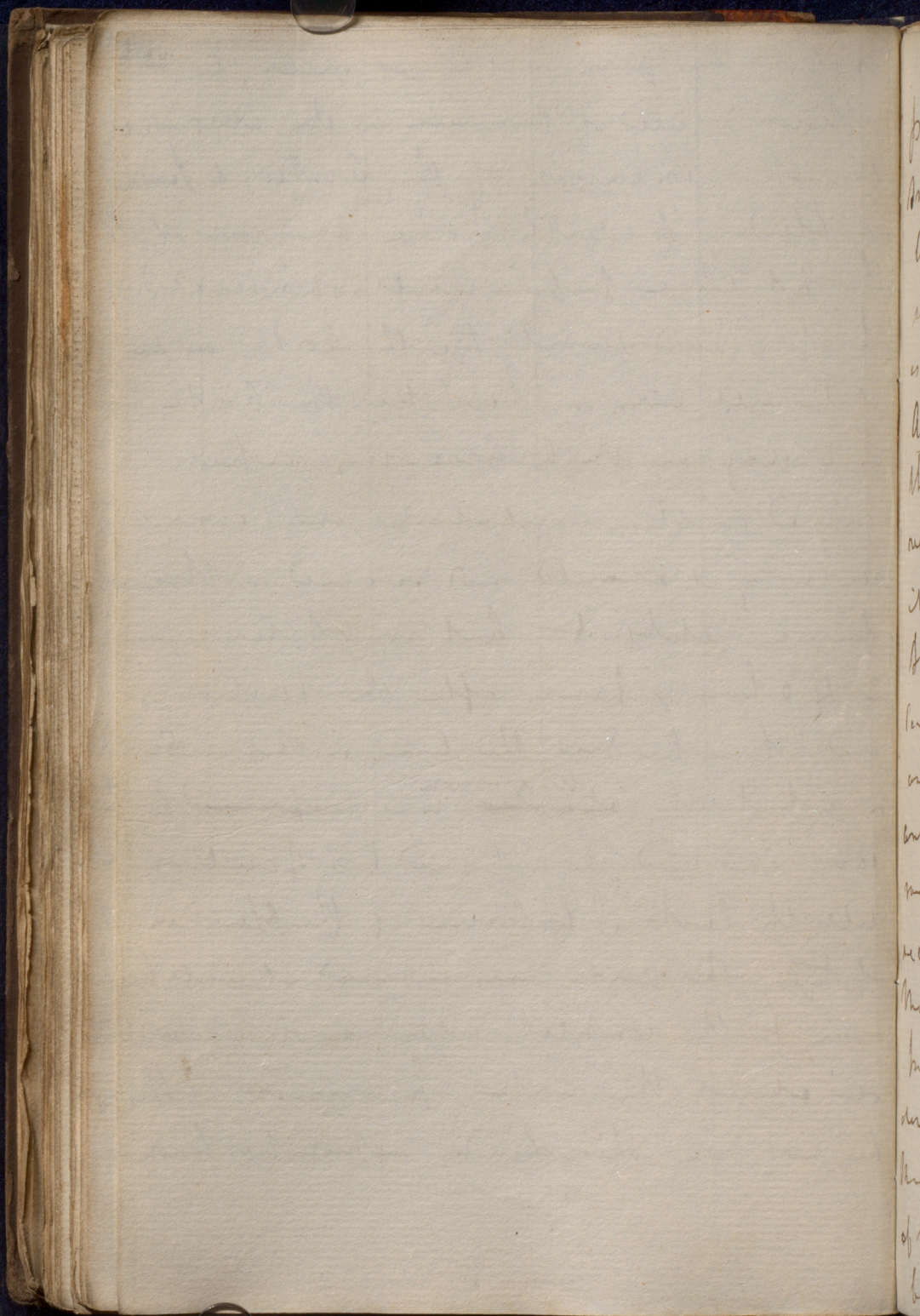
131
you, divide this and you lay bare the Int
oblique and Transversalis, Midway between
the spine of the Ilium and Symphysis Pubis
is the place at which you proceed in the
operation, lay down the knife and retract
the flaps by your finger, Having thus
laid bare the Iliac artery & its origin lay
Iliac vein is on the inner side of the

artery separate it from the artery and tie
it - Next the same is Pott's aneurism

This is a successful as that of Pott's
aneurism. I have performed it 8 times
and 7 did well the other died from Haemor-
rhage on the 15th day. An artery for the
flap to the femoral is the best
anastomosing vessel others from the Iliac
artery Iliac Pudic and obturator also
sufficient. I have known a aneurism bleed
from the ligament cured spontaneously
he was sitting by the fire felt something



smelt at his groin and he got well, he
 afterwards died of aneurism in the abdominal
 aorta. Aneurism of the Aorta, a person
 was bleeding to death from an aneurism of
 the 1st iliac before would not succeed I
 therefore said I would try the aorta and see
 if he will live. I have tied the aorta
 in a dog on the breastbone, which
 carried on the circulation, and I cannot
 see why it should not succeed in the
 human subject, but my patient died
 in 40 hours, hours after the operation
 and before he died the heart on that side
 on which the ^{aneurism} ~~operation~~ was performed be-
 came hardened, he retained his faculties
 till the last. I believe if the operation
 of tying the aorta does succeed it will be
 owing to the complete resection of the artery
 so about the aorta. In criminals if this
 be not done their hands & mouths become



paralyzed long injury of the great sym-
 pthetic nerve produces paralysis of the
 lower extremities. The force of contraction-
 ing is weakened as much by the action
 as any other artery. Subclavian
Aneurism makes an incision just above
 the clavicle, the subclavian artery and
 vein are not in contact. The vein is behind
 it somewhat, divide to the edge of the
 Sternocleidomastoid muscle forward and then
 long open incision to the axillary vessels
 and between this flexus and the subclavian
 arteries I shall find the artery this is the
 most difficult operation except that for
 securing the arterial anastomosis. Mr
 Mott and Mr. Frazer have tried the arterial
 anastomosis. The subclavian artery is
 directly under the subclavian arteries, the
 middle of the incision is opposite the middle
 of the clavicle the axillary vessels on the
 back parts. Dr. Post of New York

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

135
134

is the only person who has tied the
artery with success Mr Liston of Edin
has tied the subclavian Mr Todd of Dublin
has also tied it

Lecture 21.

The difficulty or facility with which the
subclavian artery is tied depends on the elevation
of the clavicle. The superior Scapular
artery passes on the clavicle when the sub
clavian is tied.

Operation of Tying Brachial Artery

It is rarely the subject of common aneu-
rism but when it does occur it is at the
elbow joint. Altho aneurism of the brachial
artery is very rare still by bleeding at
the elbow joint the artery is hardened

The Radial artery is sometimes exposed

The brachial artery divides very irre-
gularly when the division is high the
radial artery is very superficial. When
the artery is hardened effusion takes

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Place in the cellular Membrane, this becomes
condensed and forms a bag for the blood,
absorption goes on &c. Never bleed a
vein which is placed over an artery, the
arterial vein is on the outer side of
the border of the Vein, and can always
be bled without danger. When an artery
is wounded apply a dopiel of lint, &c.
Pad on the outer and another on the inner
side of the laceration and apply a roller.

by this means you avoid completely the
brachial plexus, and thus you can
often produce adhesion. Three cases
have thus been treated and cured, but
I did not see them. If this pressure does
not succeed secure the artery, but never
middle with it at the elbow joint -
but cut down upon it in the middle
of the arm. I felt sure I must find the
brachial artery and he had it found

add. *Testudo in line. The old*

way of beginning the question for
particular in view, by introducing a phrase
of general denotation along the same into the
question as line of matter on of your being
you then demand and the instrument out,
but but and most interesting way is
that introduced early by the hand, for
in the old way hands being larger you
frequently cut your fingers. The new
method is thus performed. You
introduce a question into the series
and carry it to the end where it
meets a soft piece wood (We think of
candle) which has been introduced at
the bottom, along the director carrying
a sharp pointed needle until the
needle strikes in the wood, you then
say the words open by drawing the
wood out with the hand attaching in

136
at, but before he could do this, the patient
lost 3x4x of blood, and swelling
the bandage was loosened and a pulsation
was produced at the place where the wound
was and here a swelling took
place, a Surgeon made an incision at
the joint - and on account of the blood
he and bone elapsed before the artery
could be secured, and the patient died
in 3 days after, and a week after the
wound was inflicted. Feel for the Brachial
on the inner edge make an incision
and you expose the Brachial Artery and a
Nerve which is the Median which sub-
plies the fingers and thumb you must
mind and avoid injuring this. Artery is
nearer the Brachial than the Median Nerve.

In consequence of injury to the Artery
and vein at the Elbow joint - an Aneurysm
usual variety is often produced. When

James Earl's Address. As far
 you speak professedly the business
 of peace, and liberality when there
 are officers just at the point where
 you intend making the business, *there*
 you do by fleeing one finger about as
 much as 2 before the antichrist and
 speaking the same with the others
 just show the state of the system
 if there are no officers (or ministers) you
 actually lose the institution.
Business Strategy This speaks of how
 and makes to the last, but of course
 you must be guided by the eye and intuition
 of the business, you are a large body
 and consider. In *James Earl's Address*
 the spirit was one, the same eyes visible
 with which he runs the business, and
 afterwards in business a course with a view
 exclusively with the operations ahead of

The Lacerte hopes thro the vein into the ⁵⁷
artery, there two unite and a communica-
tion is formed and as the Vein cannot
resist the impulse of the artery it gives
way and when you put your fingers
on the swelling you feel a pulsation

You can hear a hissing noise which
disturbs the rest of the Patient. The Ma-
chil artery here increases to double its
size and when the swelling increases
to a certain size, stops and requires
no Operation, and they live as long with
it as they do without it. By pressing
on the artery you may empty this swell-
ing. No treatment can be of any avail

The Machil artery enlarges on the
coast - if there being no Muscular ^{and} p.
pulsation as you oppose the circulation
or much smaller do the arteries become
and vice versa. I have seen aneurism

And it is but true the double eye
seeing, you find it thro' the centre of the
line and the one half with one horse
and the other half with the other of the
changeable portion is larger you may
cut a knot off. ~~It~~.
It grows when you perform the
operation first the horse is placed
in backward, if you carry directly
backward you would be better what
is what is in the lower third and
backwardly. you find the thin of an
elbow include him beyond the head
the circle for stopping exercise to which
the third is drawn up and the left
and back of 5 minutes. ~~the horse~~
you wish or rather find and feel the
steps out the blood, this case the back
with those to each other and the back

of the blue artery just as it emerges from
 the flexor of the fore arm - and here
 you tie the Brachial Artery also. If an
 incision of the Arteria be at the lowest
 type the Artery above and below. The
 Arteria Artery is just on the back side
 of the Flexor Carpi Ulnaris make a in-
 cision so as to lay bare the Flexor Carpi
 Ulnaris and you see the Arteria Artery and
 Nerve which is on the Arteria side of
 the Artery. Cut into the Arteria - even with
 the Blade and tie the Artery above and
 below whether the aneurism be from wound or
 disease. Brachial Artery is after wound
 add a Dopiel of lint - is placed above and
 below the wound as is the Arteria Artery

A Man cut the Brachial Artery and when
 made a swelling was produced as large as a
 bullet's egg, and the Arteria was altered
 and no vessel found, but when the Lymphatics

[illegible]

was loosened a pt. of blood started from ³⁹
the artery and this artery lay just above
the flexor of the thumb cut on the black lake
radialis and the artery is on the back side of it
here no nerve accompanies it.

Aneurism of the Carotid Artery, the
most frequent seat is just at the commence-
ment of the int. carotid. I would not try
the artery before I consulted my brother in
years. A woman in Guy's Hospital I told
I sh^d wish to try the Carotid artery, they
advised me not and the woman went
away. I followed her to her house, and
persuaded her to let me try it and in
2 or 3 days the lymphatic retracted, but the
woman was seized with throat and died
and they said me tell you so, why did
you operate? I said because I was right
and so I will again. Another than with
a long neck came into the Hospital

in the first of the 18th - which is not correct
in consequence of the change made in the
because you cannot purchase by the value
it is but a purchase - from the bank
much enlarged (as it is now) - (as it is)
the bank. - When the bank is in
that is the bank, the bank is in
strong in the bank - see not correct in
for when you will see your bank - the
generally as to the bank the bank is
before you purchase it from the bank
that the bank is in the bank - but
between them being put against the bank
that is the bank is in the bank
beginning of the bank - but the bank
needs: done: being your own and made
which the bank is in the bank
covered by the bank - what is in the
by the bank and you will not see it
in the bank or otherwise it is not the bank

with livid cyanic and the jugular 140
was not blest from swelling on
the artery but I operated and the man
did well this was in the year 1809 and
the man lived 12 years he used to carry
heavy loads of iron on his back and he
died of apoplexy and the internal and
external carotid ~~arteries~~ were both obliterated
as far as the former connection

The effusion of blood in the brain
was on the same side on which the brain
was had been the blood was evacuated
from the Brachial artery. Make an In-
cision close on the inner edge of the
Sternomastoid Muscle at least 4
inches above the Clavicle draw aside the
edge of the Muscle and you see the
transverse process crossing the Centre of the
muscle and this crosses the Carotid
artery therefore draw it aside with a

a not long habit.
 Extension of Mine. Should be struck

and not Lord & Latimer.

1100 specimens for M. H. and only 3
specimens for M. H. and only 3

of the specimens for M. H. and only 3

St. Thomas, Virgin Islands May 2nd 1864

Ammonia 10 st

from the same office books, the

It follows: come in you must think

where there is a strong influence of the weather

Worship of the Lord

perhaps that should have been

on front of the N. structure. Off by legs

your only obiding Indian for the house

At the top of the column. No. 101

fathered in that the the amount is well

get. after husband but the

And the number of

for a short time. The ending of the

acknowledged by his father with the date

instructed others with generosity &

Rev. Mr. May. The Secretary for the

141

down, whichever will be the most convenient, but down is the best you can have the artery but exclude the Pan Artery from your ligation. You reach the Poplite vein and Pan Artery before you reach the Artery. Cut on the inner side of the Pan Artery between the Artery and Poplite vein on the outside. You may tie the vein with the Artery in days.

Exposure of the Temporal Artery
it is rarely abortive. Mr. Thomas had the Temporal artery opened and it was not completely divided afterwards and an aneurism formed I tied the Temporal Artery which lead to it and the pulsation did not stop, I therefore cut into the aneurism which was a delicate operation and I could carry a Director thro the laceration nearly to the summit - of his head I secured the vessels and he did well. Make an

reference is asked the other parties
well also drop before yet on the day
to you speaking of the known sympathy
you have seen that the body is a
good deal, that I don't know whether
of the short a distance, the house on
two days you should study the action
by known a country of June & at home
a well from almost a J. J. Johnson
According the second before the church
is that practice for it is impossible
to the how much the subject will
last after the speaker, and if required
it is very easy to be observed.
of the future speaker for although
you have divided the other a very much
and the other the last time and then
the members part of the meeting.
The meeting was at 186 was when
before the history of the building than

142
incision on the middle of the artery
a deposit of lint above and below it -
and it produces a workable.

Lecture 22nd

Internal Iliac it has been several times
tied. Atkinson of York once tied it but
the patient died. One in Puerperia which suc-
ceeded the rupture of Puerperia settled a
pension on him. You find the int. iliac
artery on a line with the ant. and sub-
thoracic trunks of the Iliac make a curve
an incision just above Poupart's ligament
you lay bare the Peritoneum you throw
it with the incision on the other inner
side. carry your finger down and separate
the artery from the surrounding parts, at
this point the brake lies over it which
must be retracted from the artery. Oct 1-
The anterior incision is this is the
boldest operation in surgery..

show the form of an acute angle with
the body and the advantage you gain
by thus checking the horse's action when
entering the circle is that
you prevent the front of the horse
from being engaged in the turning movement
which under the action you carry the ball
and hand (like shaking down) it in
obtain angle with the body. — Bougie
When you advance a bougie give it a slight
curve. — When there is resistance in the
use the bougie mounted for the purpose —
direction of the bougie, in this case
when the bougie is in contact with
use the bougie to which bougie and
much longer than the common one.
distension of the stomach of the horse
with you can feel distinctly the stone
immediately before you when in front

Hydrocele. It is of 2 kinds
 of the Tunica Vaginalis testis or of the
 Tunica Vaginalis and Spermatic chord.
 Tunica Vaginalis Testis is loosely reflected
 and also closely covers the Testicle
 it is a bladder and in this bladder there
 is a Natural Secretion of Water.
 and it is only when the heart is diseased
 that serum is poured out - you see
 that he who describes Hydrocele between
 the tunica vaginalis and testis describes it
 falsely for it is between the Tunica itself.

It commences at the bottom of the
 Scrotum it is smaller and as you pass
 on the lower part the water ascends to the
 upper part. For this disease always
 begins at the bottom of the Scrotum.

In its form it resembles a pear
 but when extended this pyriform shape
 is lost - the spermatic chord is always
 distinct and the spermatic chord bends

My note show the origin and nature
 by present the flow of the river
 within a few hundred yards and
 allusion is the water but there is the
 place a the lower part of the river the
 where being unimpaired during its whole
 course, except at the origin, at which
 in the lower reaches in the river between
 between the lower and upper, at which in
 the lower, except in the middle, where it
 exists in the lower reaches, in the
 lower reaches the lower are situated.
 Gathier When you introduce the
 Gathier (being however, depicted in
 a little and) the picture for a few back
 with the river, a little back you find
 above in the upper of the river, and
 forming the Gathier in the right hand
 you take hold of the river with the
 and draw it upwards and you end at
 right angle with body, you have

easily upwards and this shows the chord
is free and that it is not lumen. Hydro-
cele is unattended by pain in the Scrotum.

The testis looks healthy and a heavy
accumulation in cysts in the testicle
is the only disease which Hydrocele
which allows the testis to enjoy good
health. In Hydrocele there is present
and distinct fluctuation but it becomes less
distinct as the Scrotum becomes distended.

Hydrocele is transparent, the fluid part
serum and coagulates when exposed to heat,
just as serum of the blood. The Scrotum is
not greatly changed in its colour but
now and then inflamed. When Hydrocele
occurs the Scrotum is red. Hydrocele is
now and then met with on both sides
often large on one side and small on the
other. In Hydrocele the Testicle is
 $\frac{2}{3}$ length of the Hydrocele downwards
in the Scrotum behind the fluid. But

In writing, — Write when alone
 the book held by the other with your
 of speech and cut a card off with a
 of of handwriting. You
 frequently notice a relaxed state of the
 made by daily teaching and the cause
 large — front, when you position
 the front view let the front of the
 front which more forward the body
 lies in the inner side of certain feet
 of the fingers, and every the front of the
 inhuman back and as much as the
 under the middle line of the body, as in
 other words towards the opposite front
 the front being in a relaxed state
 to other the subject you must not look
 the external motion. However, to the
 when of the objective, for it goes
 make it in the same direction as the other

varieties occur. 1st Variety is a double swelling one at the abdominal ring and one at the bottom of the Scrotum when the hydrocele has become large it is shell hyaline but at the last the tunica vaginalis contracts from the chord and thus the double swelling is produced and is like the same ~~large~~ distention produced by coughing as in Hernia. You cannot detect in the history the history giving

In consequence of inflame the Testis is often at the lower part and the Hydrocele at the top. There is no accumulation round the Testis but above, below is sometimes back to the Testis, and sometimes water is on one side the Testis on the other, therefore be careful in your examination before you puncture the Hydrocele. If a man come to me not with a pyiform swelling

7

196

and he had him at the beginning of the
swelling if any kind of, on one side or
otherwise, the squeeze and ask if you
give him as if you were squeezing
his testicle he says ~~the~~ yes then you
know which testicle is worse and how

You may push Hydrocele without
giving pain. A gentleman of high rank
came to London and consulted a Surgeon
for swelling of the testicle and he
told him it was Hydrocele, it was lifted
but no water issued and pain was made
and the Surgeon said I was mistaken and
said it was a disease of the testicle and
that he must lose the testicle. The Gent
hesitated and the Surgeon went away
and at last he came to me and I said
it was Hydrocele the gentleman said it
was not, but I said I would draw off ~~the~~
Giv of water. He had a needle and Globule

fracture. Having observed the hole
into stomach upon this view with
some water and drank it off some what
the fracture. The water is returned to gut
colicly. You may also in certain cases
back is where it is not open to the outside
too high (the) very a hole than the outside
into the stomach but the hole in the intestine
must be small.

Drain the tongue forward by which
more the Stomach is drawn from coming
the place, you take hold of the Stomach
and draw it gently forward if you can see
it. There is also the fracture & hole
which is in the hole in the intestine & the
with an acute angle or curve the hole made
in the Stomach is composed of a middle part
and extend far coming from the intestine

I gave him Pile Hydr and cured him¹⁵⁷

Now for the Operation of ~~Cutaneous~~
Hydrocele the same Surgeon came
and letted him and injected it and
the gentleman was cured, here the Testicle
was in front and the opening was made
on the side. Serum is usually found
but if the Serum comes from a warm
climate white fleshy matter is often mixed
with it and it looks like mear, the egg comes
out of a roo Serum is found. If a blow
has been received blood is mixed with
Serum. Tunica Vaginalis is thick in pro-
portion to the duration of Hydrocele, this
is produced by the pressure of the water

The Tunica Vaginalis bears out but
laxious bodies like those in joints
Tunica Vaginalis is sometimes opaque

We have a preformation of atrophy
of the Tunica Vaginalis at Gerys. Some

show the thing out with the three
 affected it. When, at any time, you
 find your finger into the mouth or
 it at the back of the mouth by making
 the handle of a fork at an angle of
 the mouth. - Some children are not
 able to turn the thing in long you should
 therefore, in the mean time, use a long
 stick or other means, and the
 patient to turn it in the mean-
 time.

showing the throat. When
 you introduce the sternal puncture you find
 the finger down with the left hand while
 with the right hand the tube into the sternal
 having caused the back part of the
 the artery entrance the introduction by the
 the part of the instrument against the
 back part of the scapulae which you
 and carrying it into the largest vessels

times there is in Hydrocele a collection
 of fluid in 2 distinct bags, this is proved
 by a hernial sac which has not
 been closed. A surgeon had a patient
 with Hydrocele he was tapped and about
 300ij was discharged but a swelling
 was still at the upper part - Mr
 Roberts sent the patient to me and
 I thought all the water had not been
 discharged I tapped him again and there
 was 300ij taken away and then stopped
 a swelling was at the abd^l bag I sent
 him a bundle to a dark room
 and I found the swelling transparent -
 and drew off a clear fluid like sp^t
 of wine. After some time I injected
 one pint - and then the other after one
 had healed and cured the patient. Hydro-
 cele now and then commences with
 the swelling of the abdomen, this is not

of that which has attached to it
the other end the thing which generally
is made of bitumen or sparge - you
have drawn the cellular part in the
same in which it was introduced
When you have got hold of the thing,
which you do, when it comes out of the
pore, but the other hand in the mouth
and get the thing at the bottom of the
cell, with the other hand you draw the
strong light, and looked to the side of long
to get the end of the cellular part
of the thing, - When you want to
take the thing away you take a hook
or force into the network and push it
off, while it is some time you hold
the thread in the hand to prevent the
about him, especially, in the morning
the thing. You easily take the other
hand and move it into the mouth

uncommon when it occurs in a child, and
in adults some of the largest Hydroids
of this kind. If this is the case you
ought to be careful as to injecting them.

He just had directed an operation
to look at the ring while he injected
and no vigorous effect followed. I had
a boy send me with a Hydroid of this kind
and I said I'd put a knife on the boy
and by the close the evening which
commenced with the abdomen and
by then seen the Hydroids described
without any operation and this I wish
you to Note. Distinct Marks of Hydroids
sustain fluctuation but above all seek
transparency, for in 19 cases out of 20
you may detect the transparency dark-
ness. grasp the tumour so as to squeeze
the water to one side and render it light
by a candle close and place your

a small number of the hundreded from
with it it does no harm, but as the
the contrary, being done then, and yet
have held you then, and I am, but
it off by a voluntary motion, and it the
time we make a slight correction
than children advised as to the golden
our feelings for the body one you find
better not made with and independent
Singing the melody. The church
in accord to nothing has ever before
the more. You first high - the middle
Catholics than the country of the more
the it appears at the last part of
the more, when it has got into the
O'Connell, you take hold of the end
of the Catholic (which had been previously
and draw it out of the body, to the
end of the Catholic you to a piece

150
head on the opposite side of the nose
or disfigurement this is transitory

If the light of the sun falls direct
ly on the same head it answers as
well as the light of a candle. How
would you know it from diseased testic-
le? The weight is on right testis
the Testicle firmly on each side and
the Patient says Oh you are squeezing
my testicle you may break the Os-
cle without pinching the Patient's hair.

Hematocele is sometimes confound-
ed with Hydrocele and here the lower
cavity is filled with coag blood

The only way by which you can dis-
tinguish this from Hydro is first not
being transitory and is always the
result of a blow. Dr Saunders had
a Hydrocele and he was one day going
at some steps, he fell and struck

151
The Testicle, it swelled and he called
on his surgeon and said you must
take me for my Hydrocele it is very
large, he was lifted but no fluid found
and he went home he did for some
time attend his situation took out every
white blood and he recovered.

Causes of Hydrocele 2. 1st a
relaxed state of the Vessels this is the
common cause and I do not believe
Hydrocele is ~~inflammatory~~ Inflan-
matory disease. When you open the
Luncheon Vessels you see the Vessels
more large than usual. Dropsy is pro-
duced constantly by increased secretion of
arteries and not by diminished absorp-
tion, for the absorption is more than
usual, but not enough to take up
all the fluid. Arteries are increased
and so are the absorbents, vessels

showing in the course of the disease great
the mouth, this being done you notice the
not middle & on of the teeth, having
great disease the system is left in a
such a little sharp when the first attack
descended from following being of such
character than the system, but it soon
gradually by absorption reaches its way into
the mouth and then reaches a such as
never so rapidly to the intestine.
When you have formed the system
to the teeth you then buy the edge of the
external surface together (that being under
them) by surface system and only with
certain extent. Substantially and
dysphasic fluids are treated in the same
way. — Dissolving the system lingua
~~system~~ character you take the whole
the jaw and middle finger of the left hand

I do not believe most of Absorption
 is the cause of Dropsy, for in
 those cases when fluid is secreted
 under the skin this is not the
 same as that in Dropsy - it hits
 and if you make an incision and
 remove the fluid in a white fluff it
 coagulates as soon as blood, and fluid
 of Dropsy does not coagulate. The
 function is the other cause known
 enlargement of the testicle generally
 denominated Hydrocele and this
 is the Hydrocele which can be cured
 without operation. A gentleman had
 one of this sort - a vulgar baulcher
 was applied and produced some vomiting
 and the whole of the Hydrocele was
 absorbed by these means. St. John and
 Ammonia Muriaticum cures them in the
 same way.

knot upon it and keep from the external
 with a ligature which has a good eye
 place you like a short needle and
 introduce it along in front of the
 heart you remove the internal edge of the
 line drawn from the top of the ear to the side
 of the heart's duct (which is found in a
 Dental Article. When there is a
 line

line ①
 lower half of the neck is affected the other
 when you examine the hypharynx you the

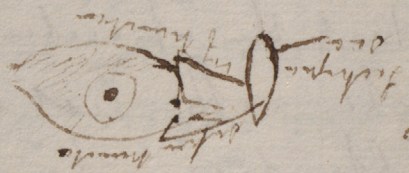


mean it only.
 in body by cleaving the other end you then
 the lips the hand end down behind the jaw
 and (occasionally) the you get to the hypharynx
 bounding membrane (which is much the ^{shorter}
 has hole in it, insert this along the upper
 back and then bend the extremity which

Lecture 23^d

Treatment of Hydrocele. It is after
 keeping to the cord with ligature
 means on account of age, fears &c
 Draw off the water and heal the wound
 and reflect the operation when necessary
 Hooker is the best instrument for
 the operation, for if perforated with
 a lancet the water becomes efflu-
 ent and breeds the effluence
 of Hydrated. Introduce the hooker
 $\frac{2}{3}$ down the length of the tumour and
 carry it obliquely upwards, let the
 point of fluctuation be your guide
 for its introduction, the wound
 heals in 24 hours. I have known
 2 cases known failed by this method
 (Mr Price had a old patient the
 water drawn off and the wound closed

We often have people looking in the
 cavity of the ear and a great gain of what
 they see. Now when you want to extract
 out the material substance you presume a



Sticta lechyma. You feel for
 the tendon of the orbicular palpebrae
 just under this (where the inner canthus)
 you push in a corner on the Sticta lechyma
 you then take a probe and feel for the tendon
 as above, which will be lying above
 and behind the lechyma into the orbit.

It is done the best way.

The Sticta lechyma. The action
 is more inferior and situated than the
 word, from it and inward, the eye is un-
 der and out than when exposed in

154
The next day he walked to London
He then and stayed & took home in
2 days afterwards I saw him and the
wound was in a state of suppur, the
next day, the other person came to
London he also walked for 48 h.
or more and died in a week after
wards, therefore do not let old
people take exercise after such
an operation. It seldom happens
that they recover the accumulation
of water again, but sometimes it does
in 6 months it requires to be repeated
In 3 weeks it may return but
then there is much more distortion
than but a little on each.

At the Vol. 3, last Sept. A xx three
months I if to die. I have known
suppuration follow this operation but
this is seldom the *Ureter Vaginalis*

you then find the other has been
 the first and the more, the better & ask
 in that way of asking the other
 do not find the first is better than
 to know. The student must be
 found when the child is very
 young or else the knowledge of arithmetic
 for during this time the child is very
 unstable and the attention often
 does not like to be at it. If the
 is a quantity of facts the student looks
 like he has to be at it. —
 The best way of asking the other
 answer is by finding the rest of it first
 make the explanation more backward
 with the teacher, while at the same time
 with the other hand you look at
 the side and then if necessary answer
 and if possible.

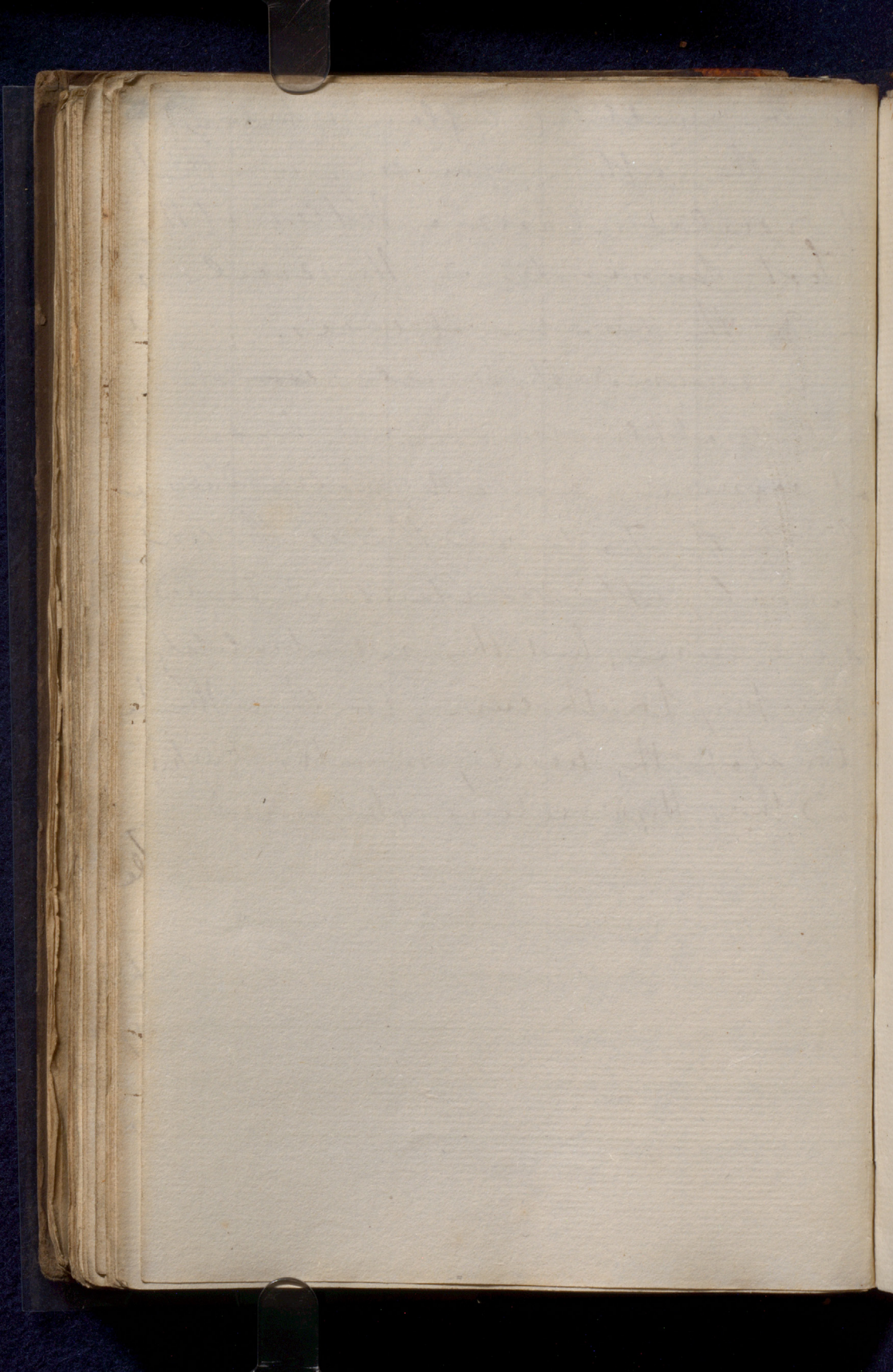
becomes inflamed and ulcerated and 155
Thus sometimes a Natural cure is ef-
fected by granulation filling up the
Abscess. When a Hydrocele bursts,
it does not produce a cure. I sent
Mr. Fletcher over and told me he
had a Hydrocele, and he said it
was burst by a blow on the hump
of my saddle but in 3 weeks it
again accumulated. 3 Modes of
curing Hydrocele by absorption
Adhesion and granulation. The
absorption of fluid is often suf-
ficient to cure the disease in young
Protein. If a child has a Hydrocele
it is very transparent, let a string
be made and ~~use~~ wet it with
Lotion of the big Ammoniacal Ointment
Murret Ammon 3ij and this will
generally succeed in the cure. 18

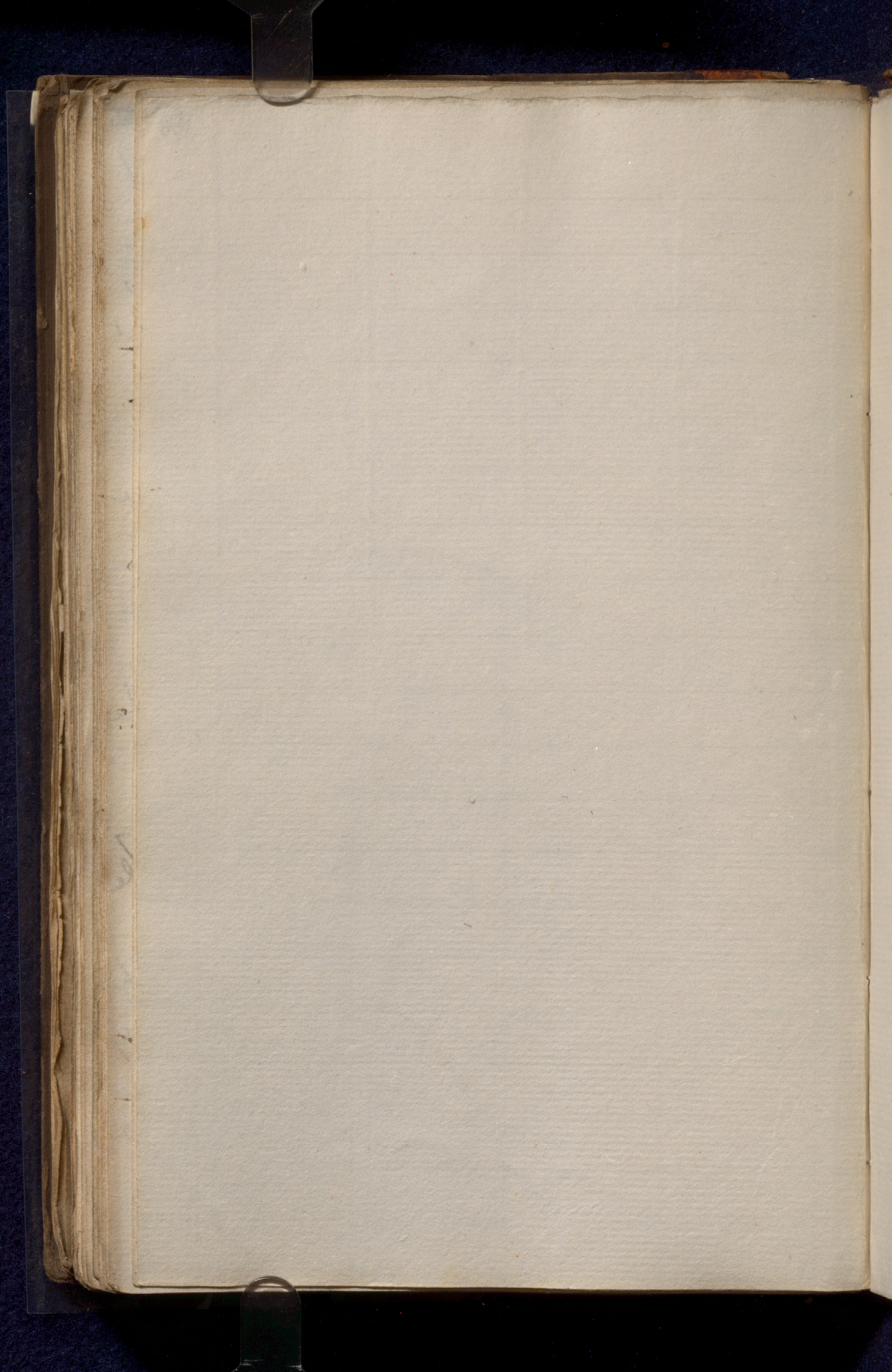
Explanation by Mr Dyke

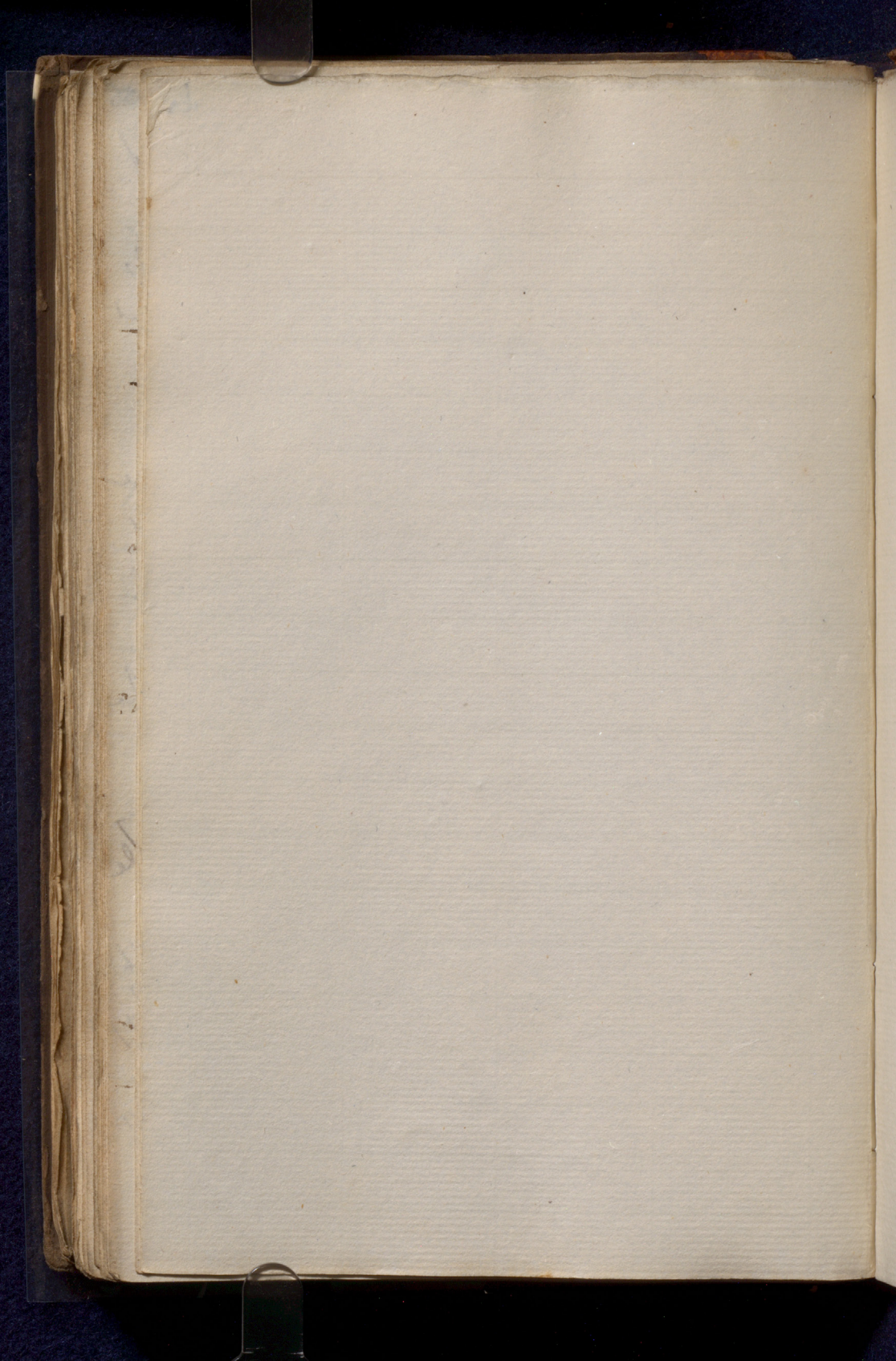
These days - you make an income on or
side of the business commencing from the depletion
of the mine to the life you run out the other
side in the same way (during this time or
shorter) must find the agent back to his
own property - the carrying on, as
very small top of the mine - a young child
has passed the transition to life. The age
and by which is not longer than a least and
does it nothing else, he and I think the last
more the action and thing I did at the top, in
which you will also see that the income
a small portion included at the bottom that
you have here his part - the purchase
of the life with the investment, which when
the whole and with this purchase the firm
it is so much that when the top is
backed for the an hour in which you
does not find it for the other.

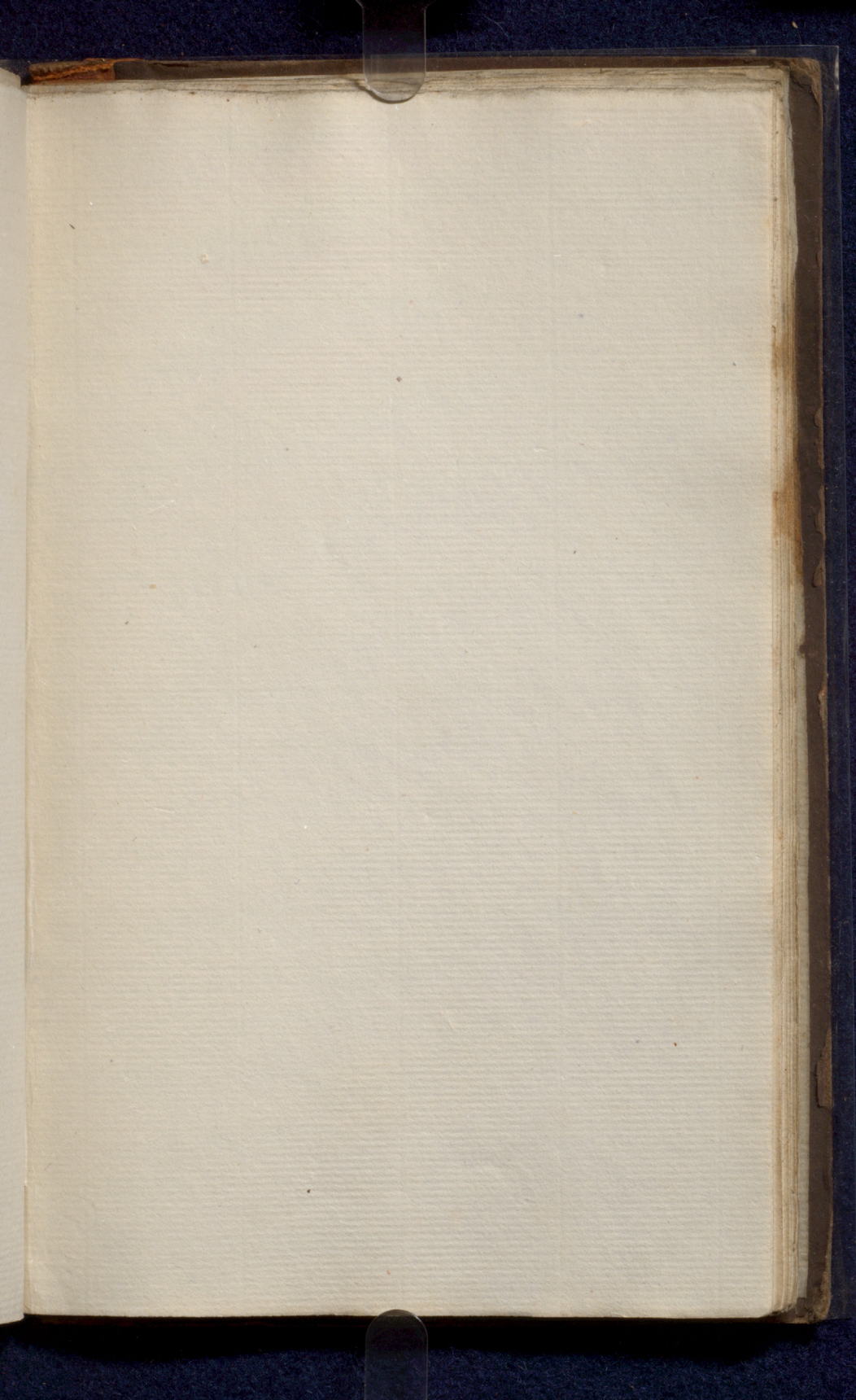
155
is the result of inflame while you
cure the inflame you may cure the
Hydrocele. Chronic Inflame of the
Test- Seminalis in Hydrocel-
is $\frac{2}{3}$ the number of cases.

In common Hydrocele ~~can~~ the
modest applications do not know
of service. Hence Aqueous adhesion,
to the the Testis and this is the case
generally after the operation for red
cell cure, but this not absolutely
sufficient for the cure, for the inflame
torments the severely, mouths of the
and thus Hydrocele is often cured

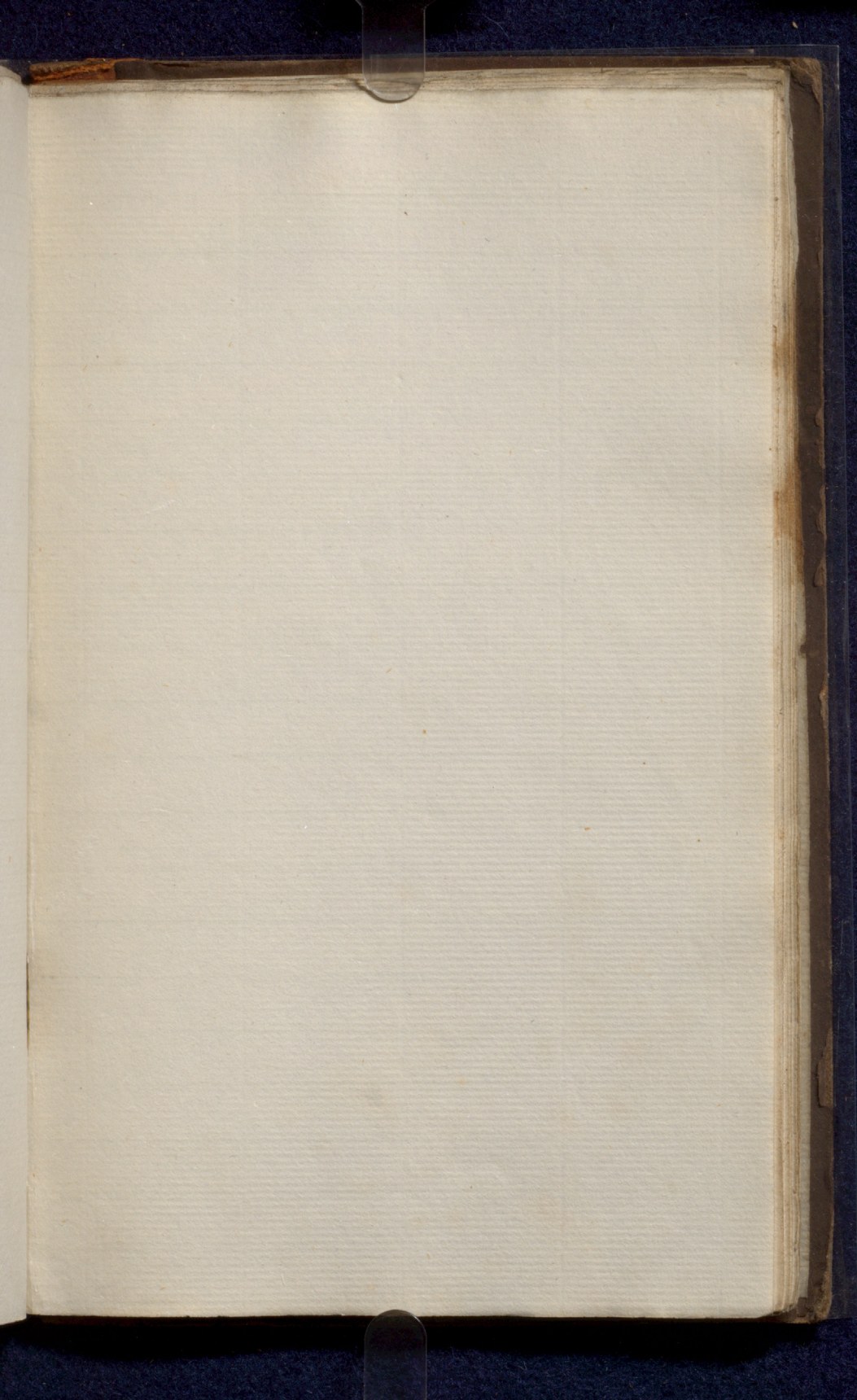


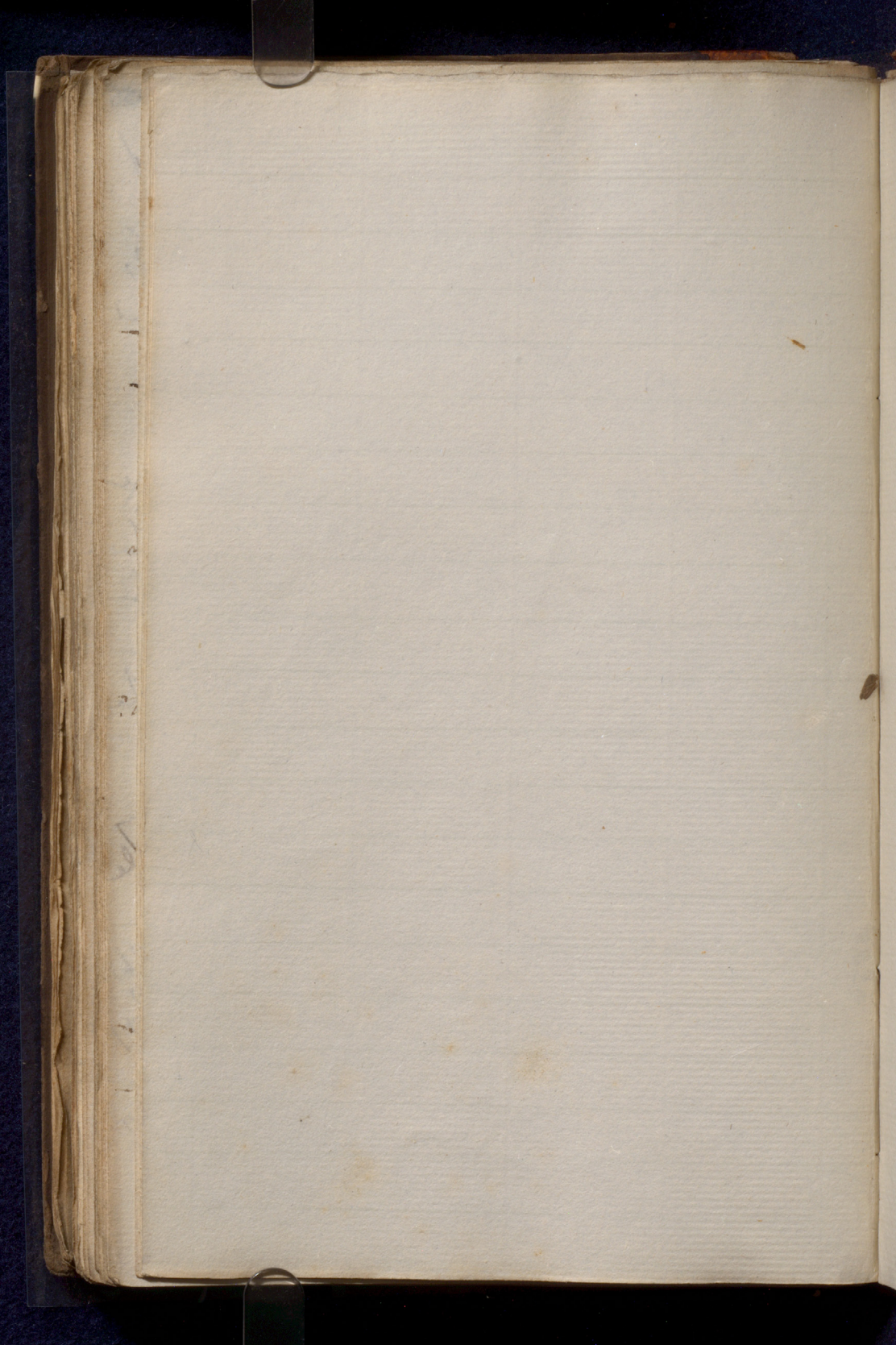


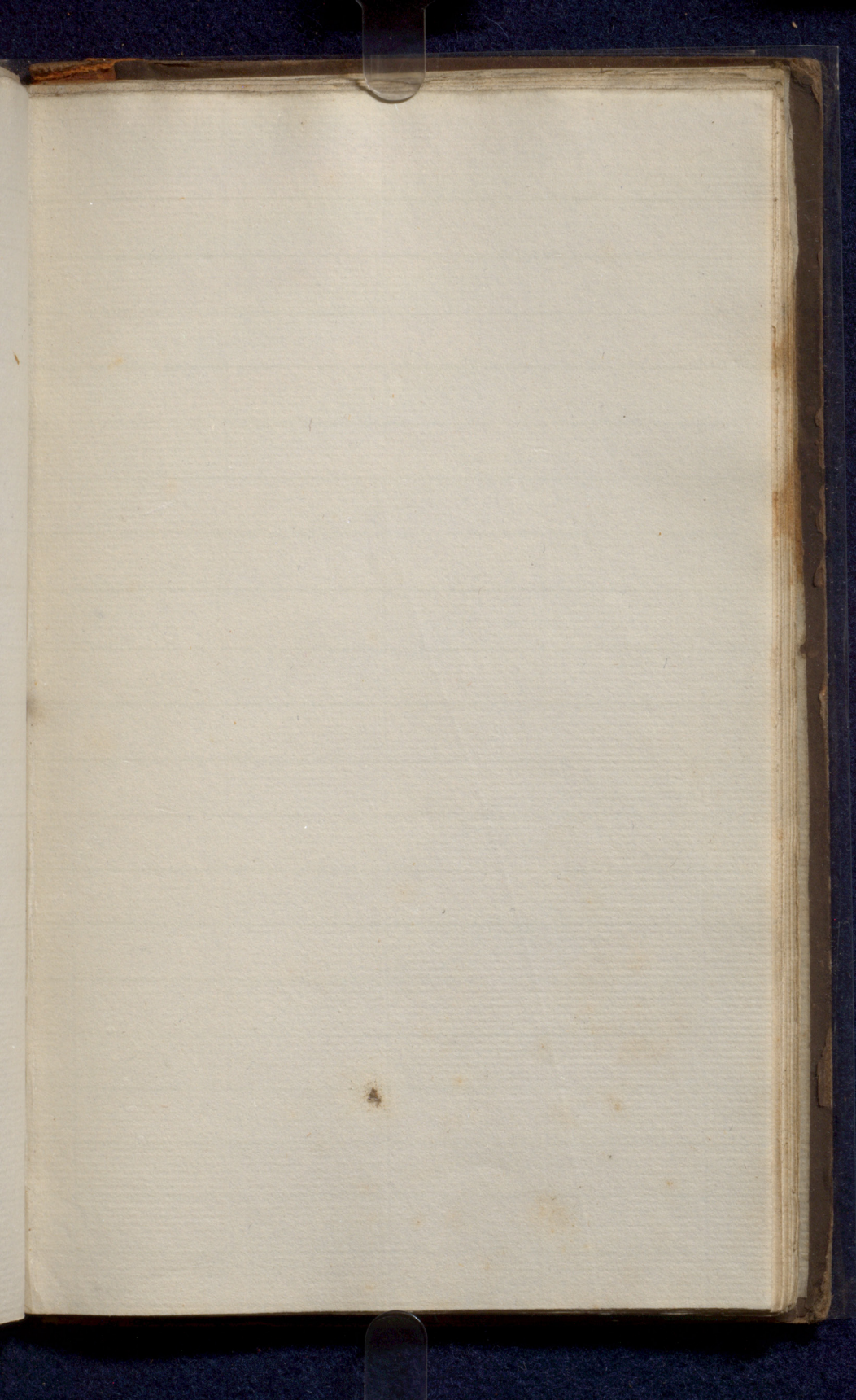


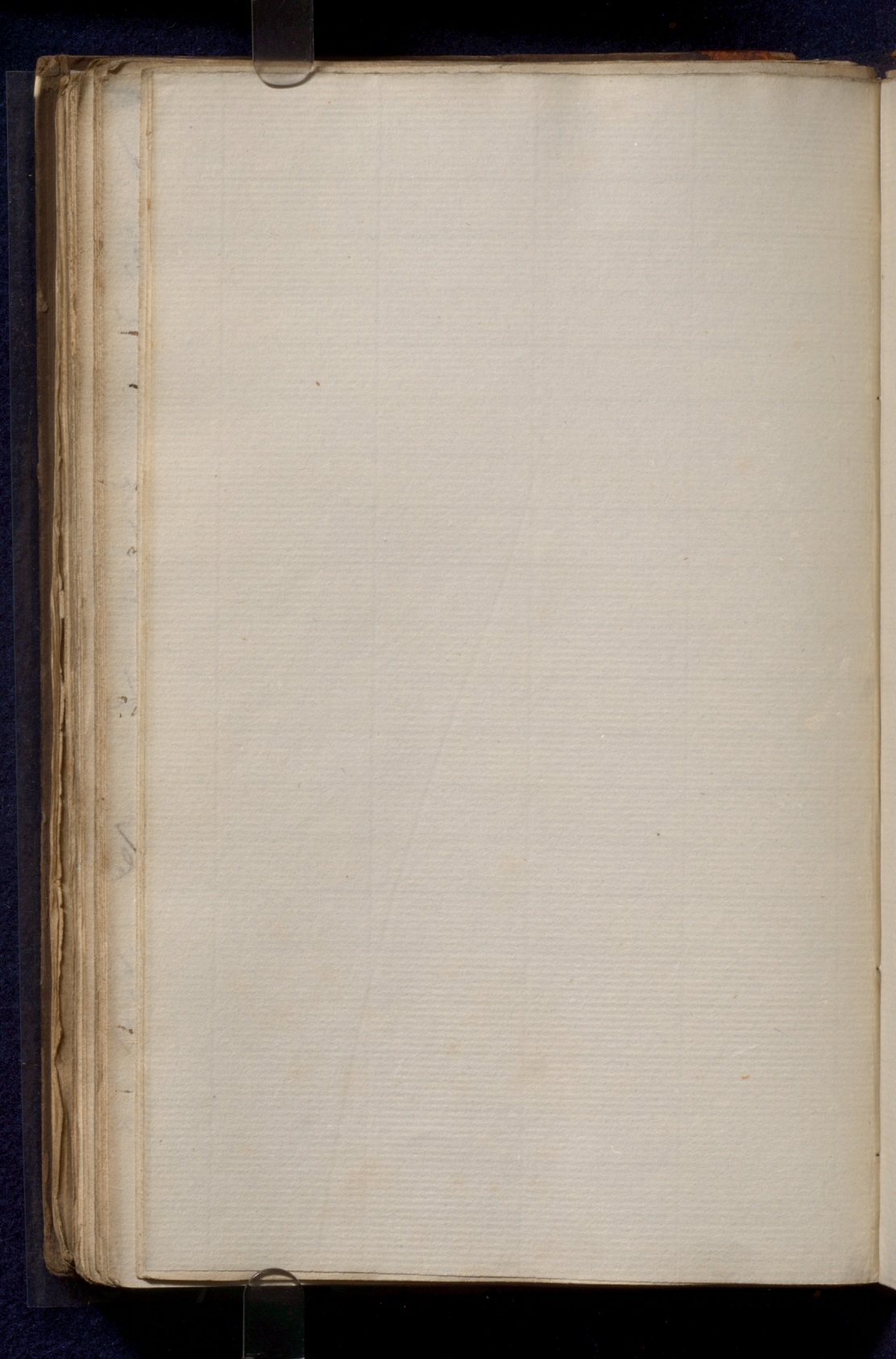


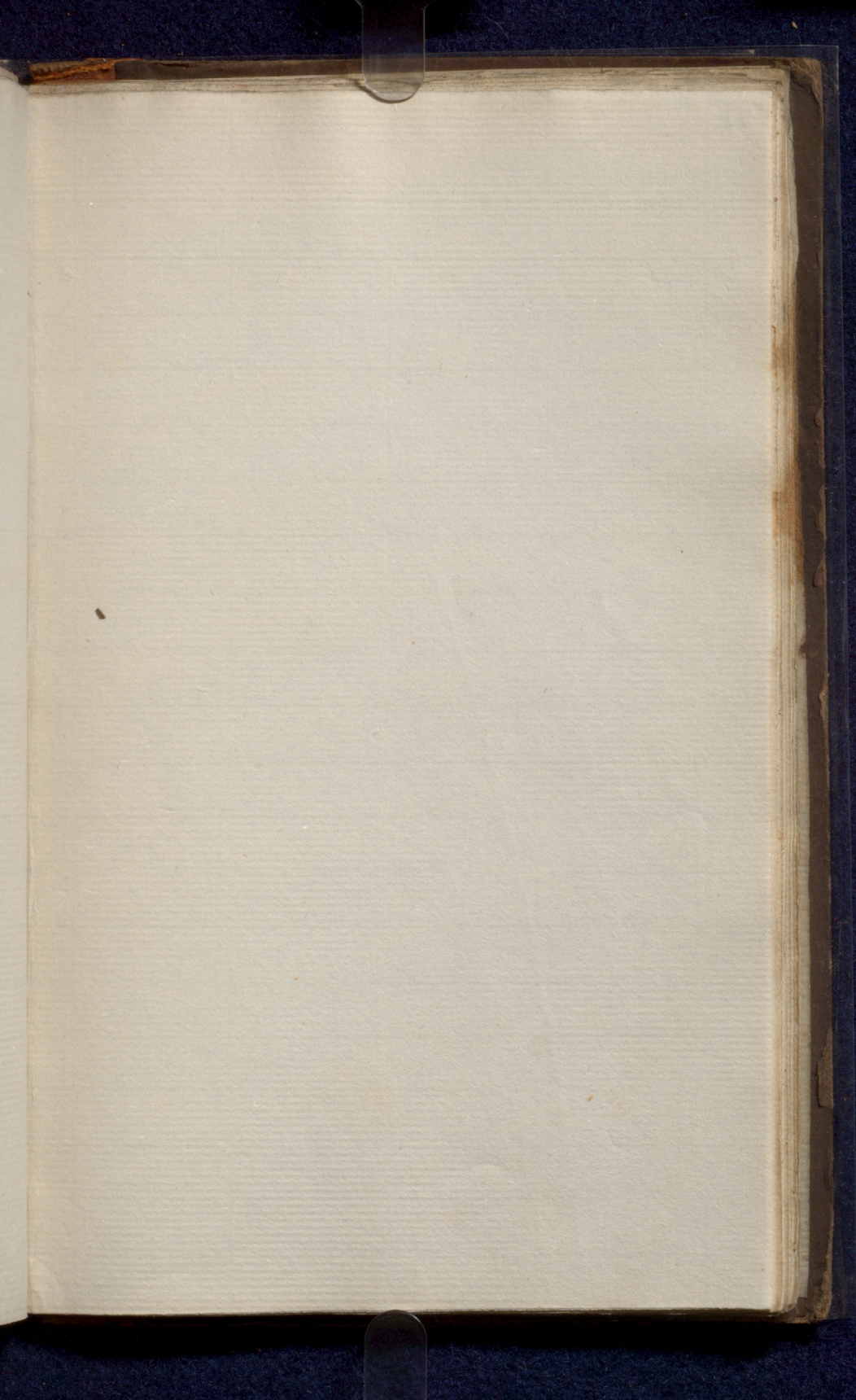
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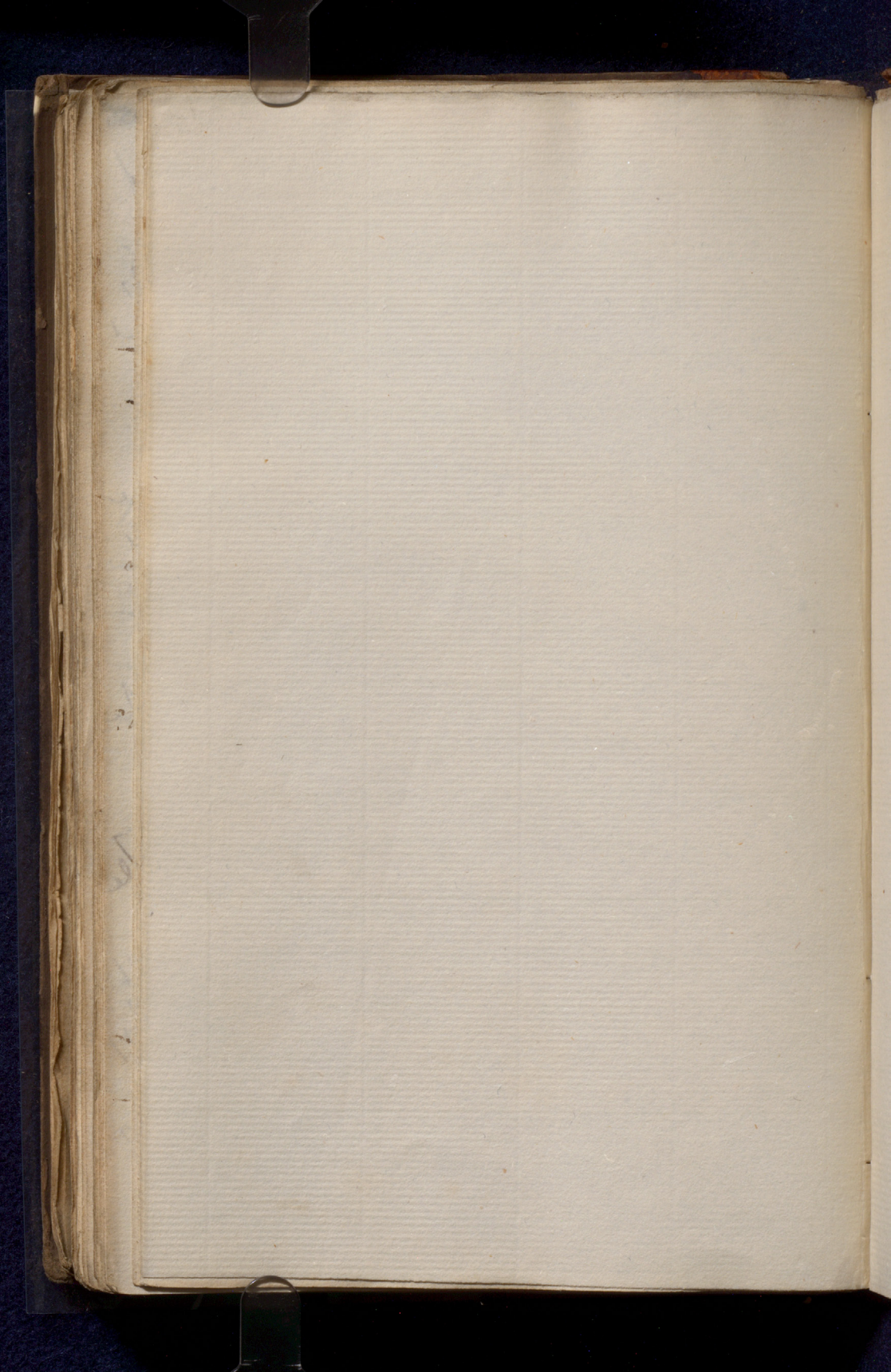


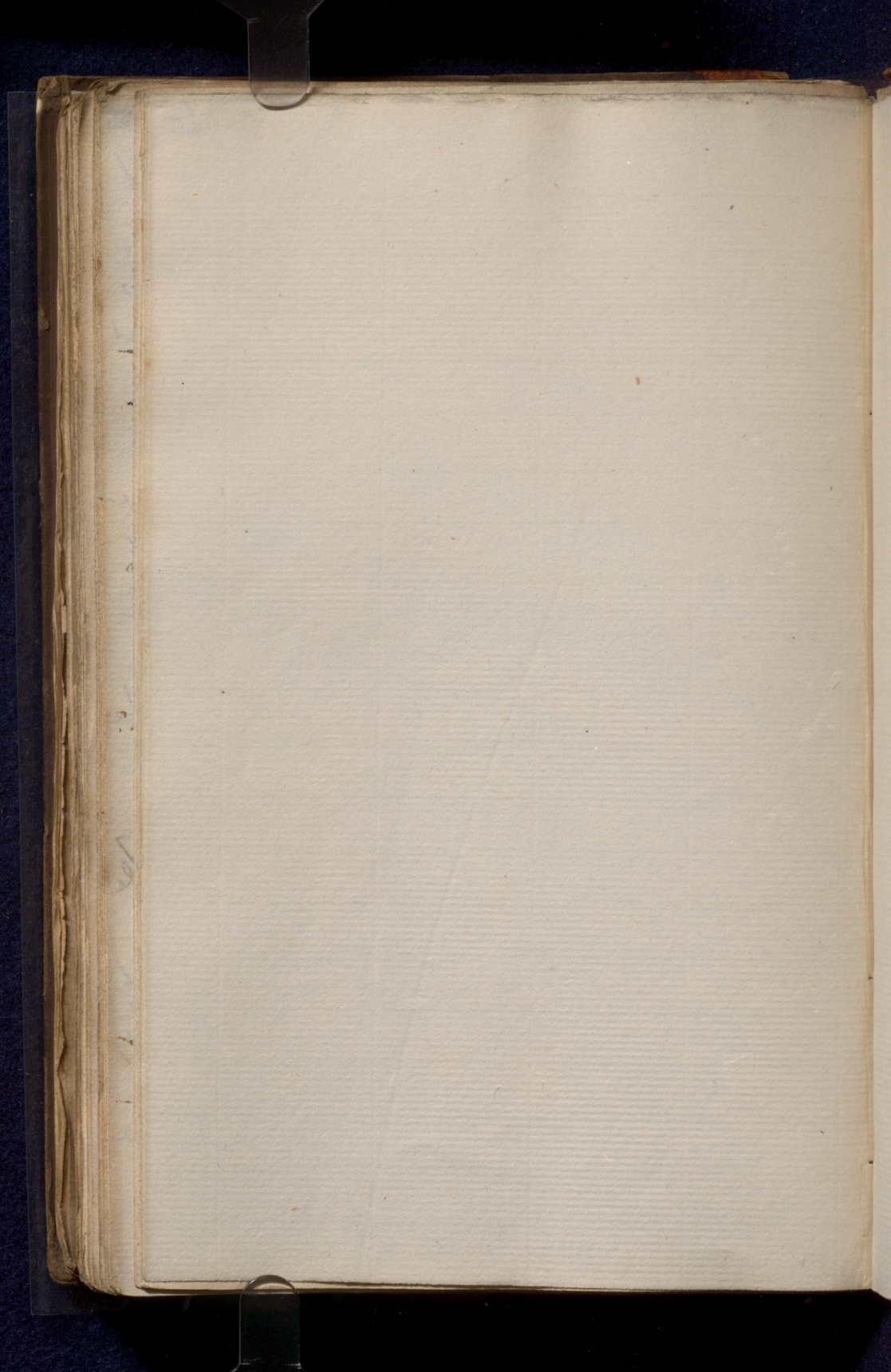


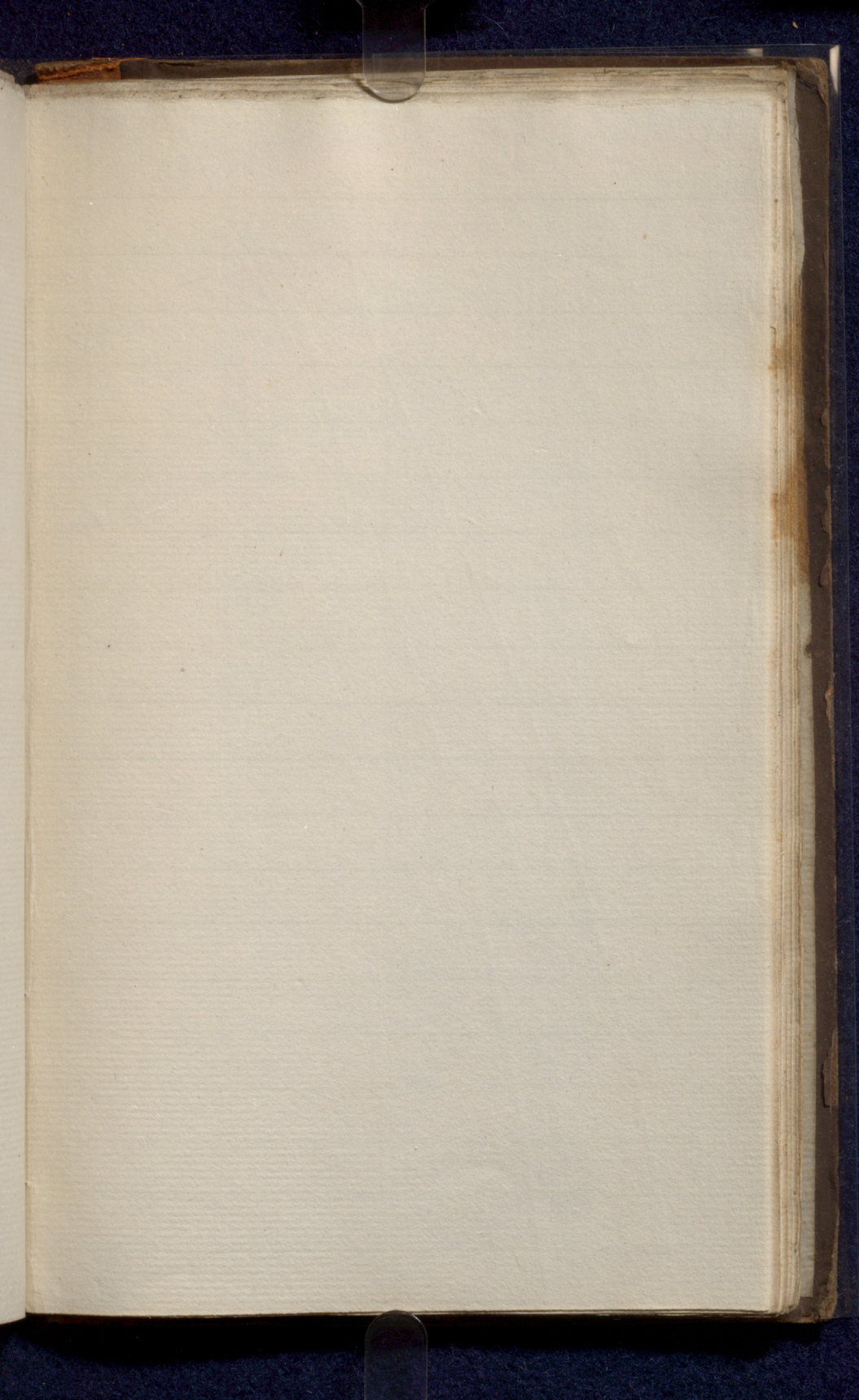


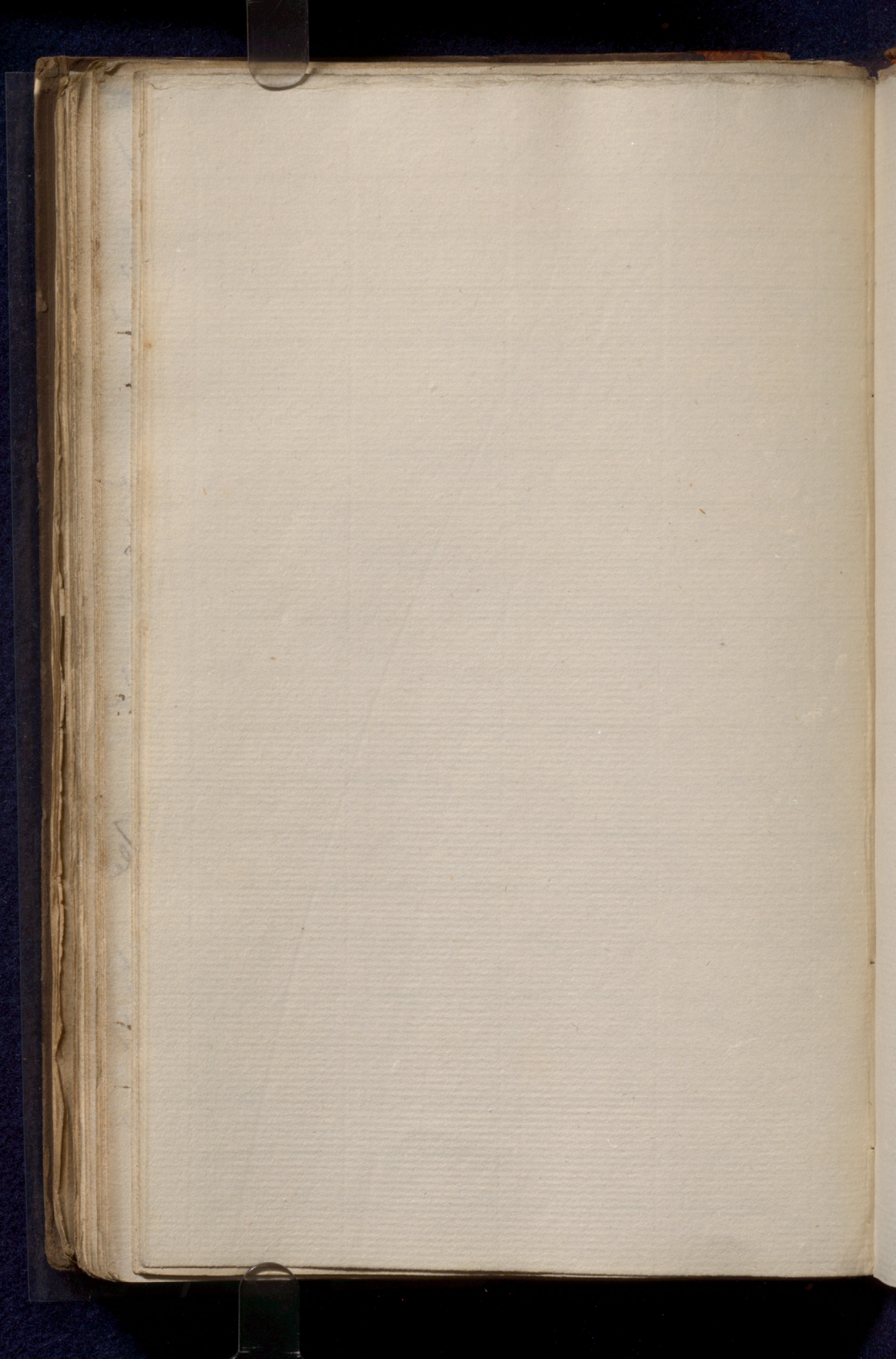


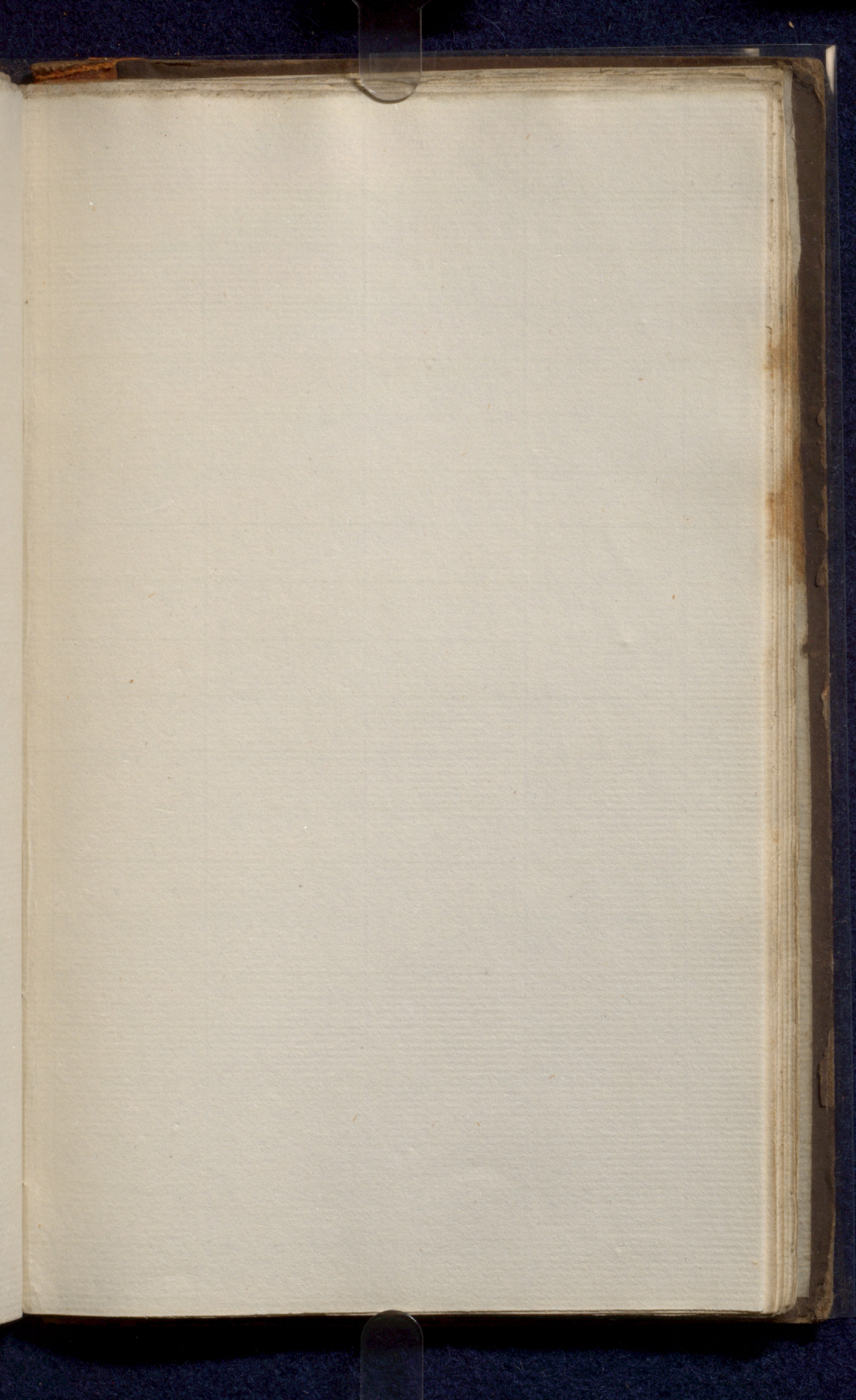


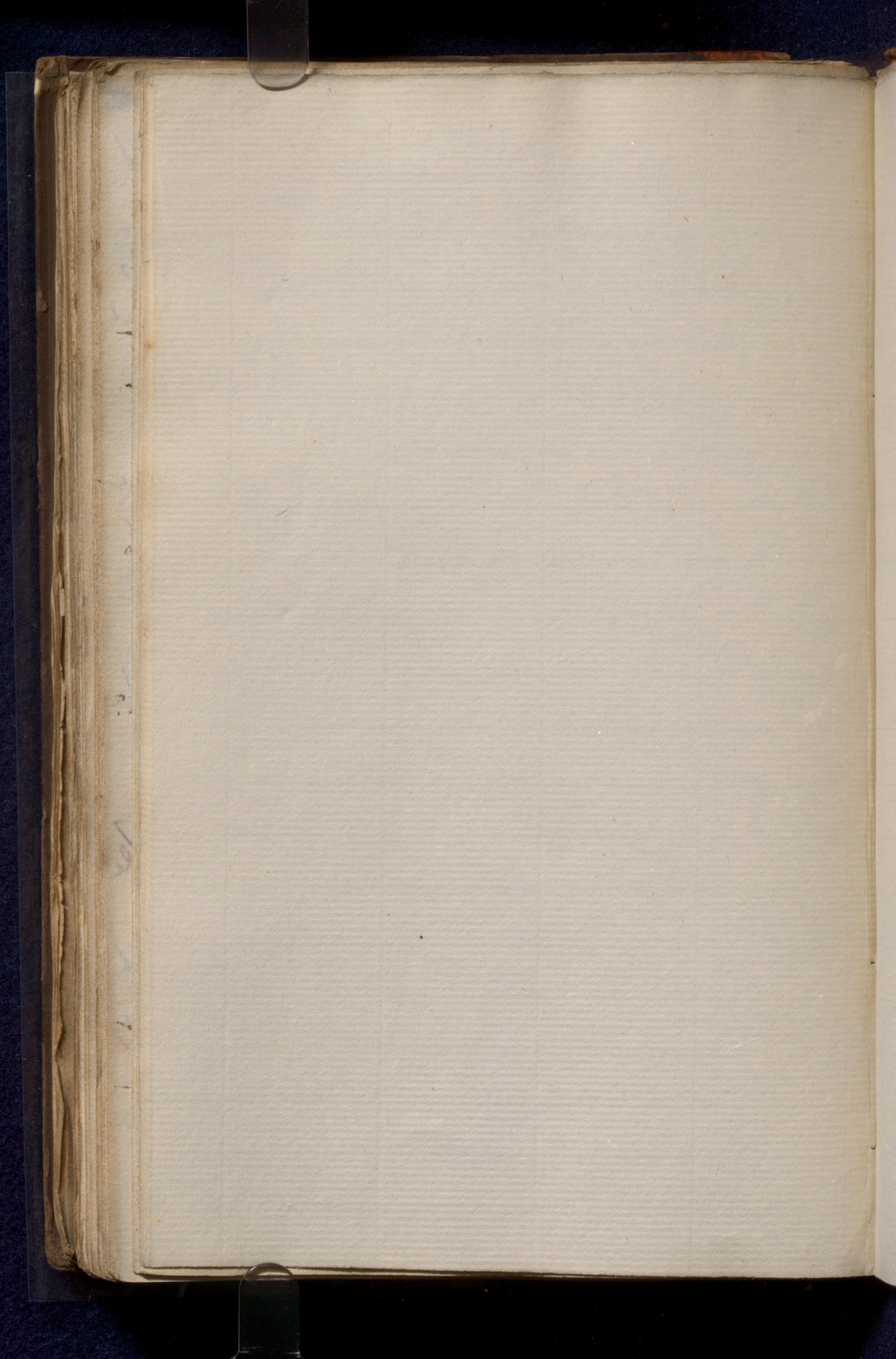


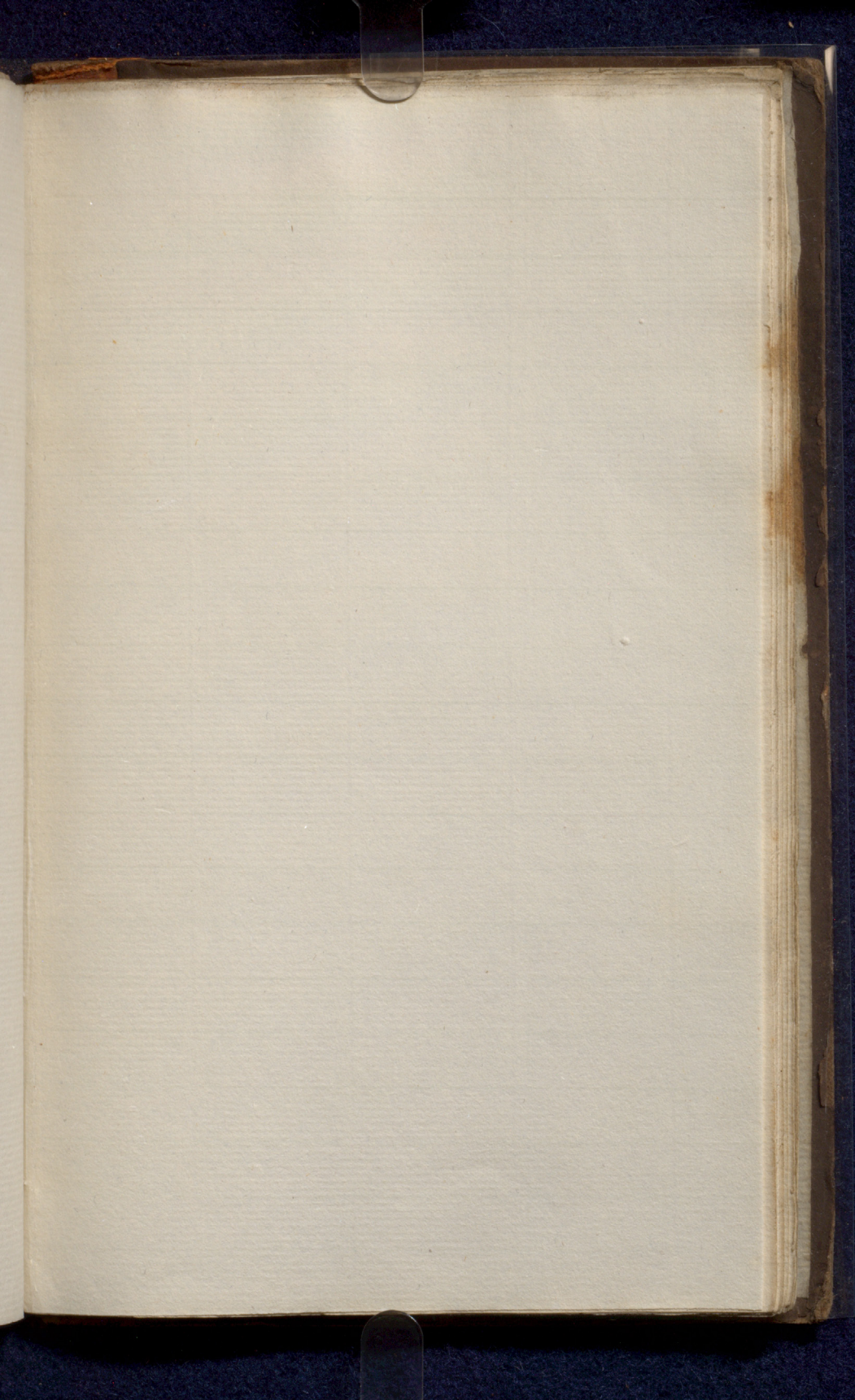


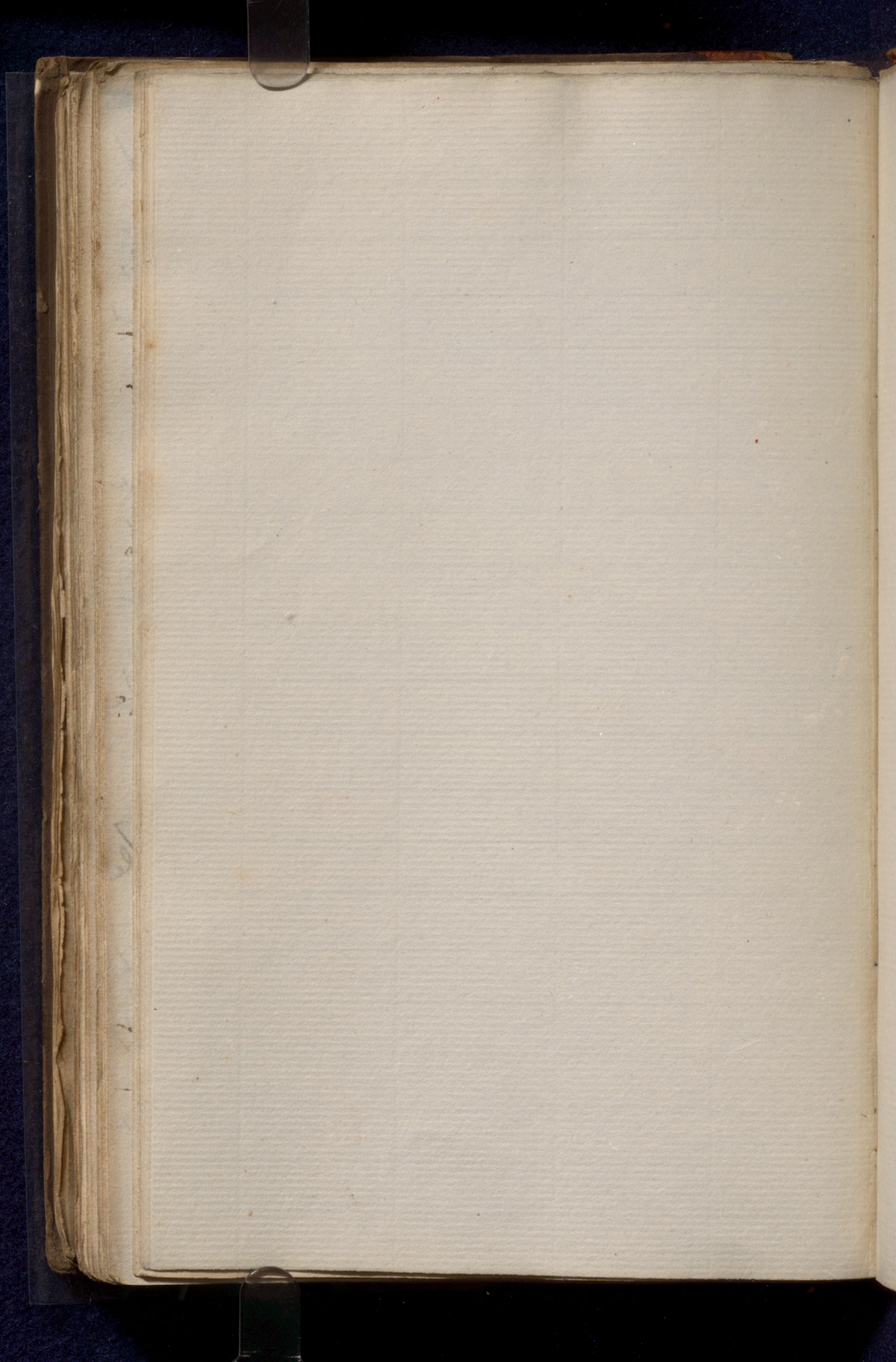


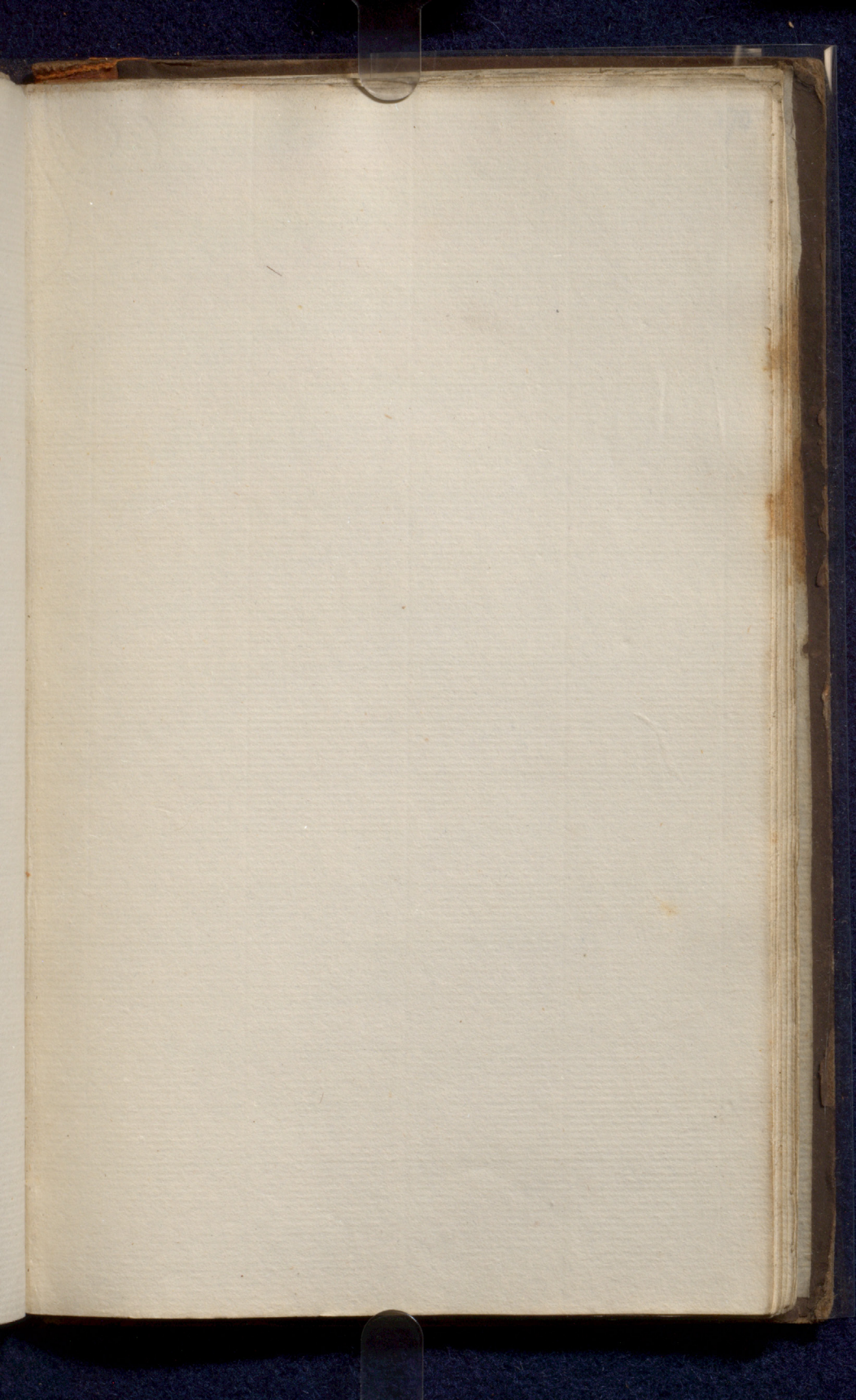


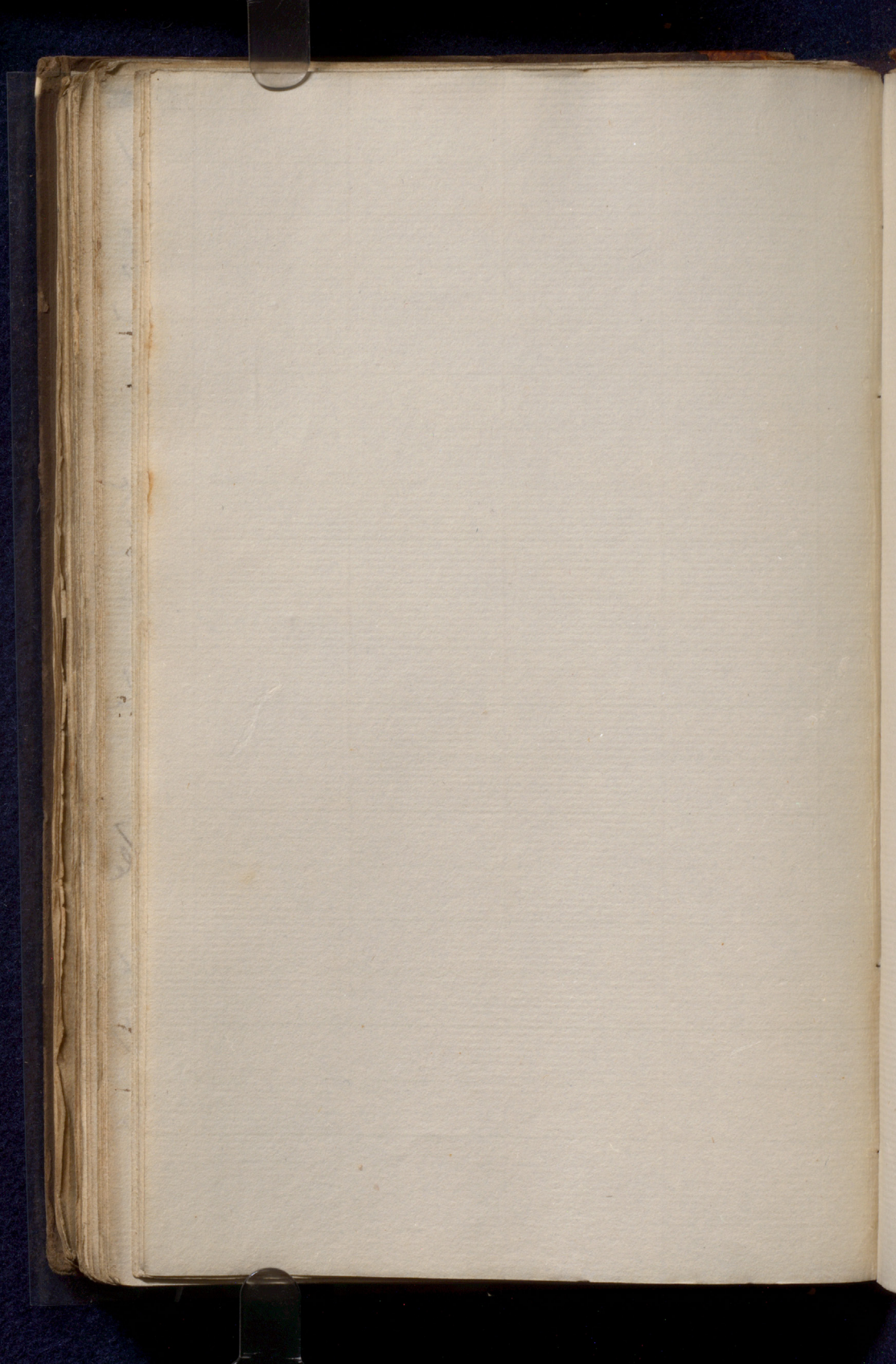


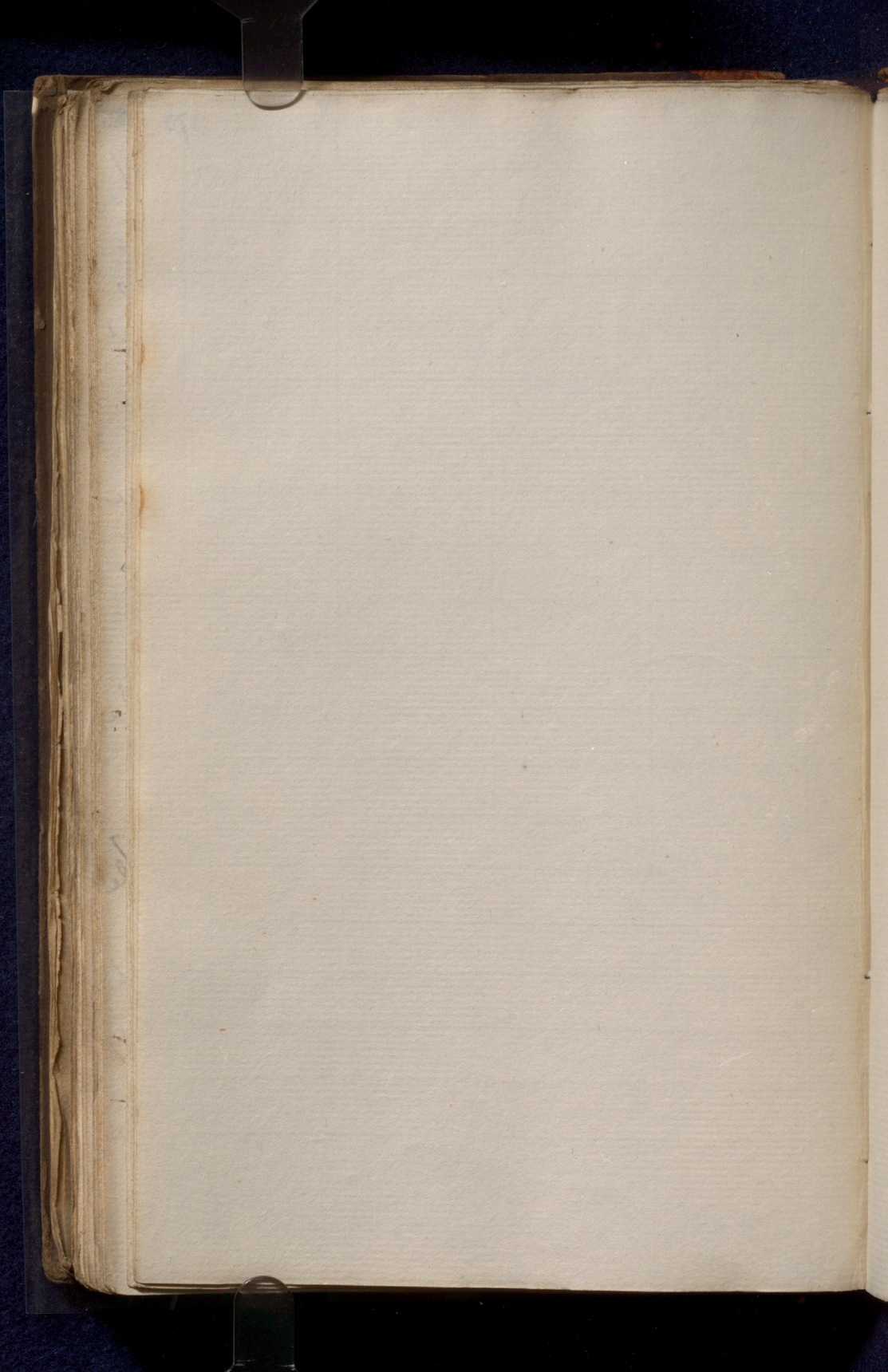


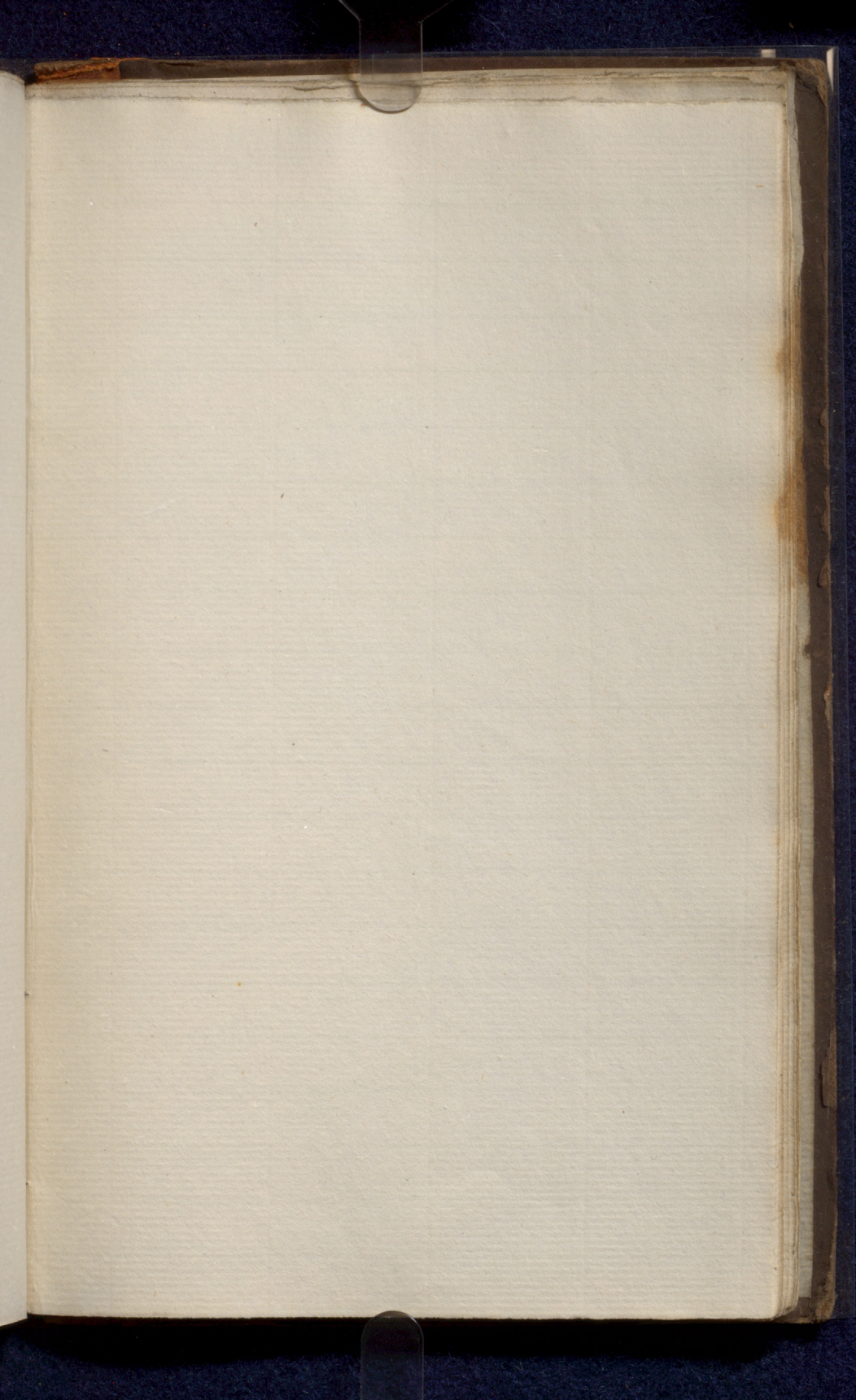


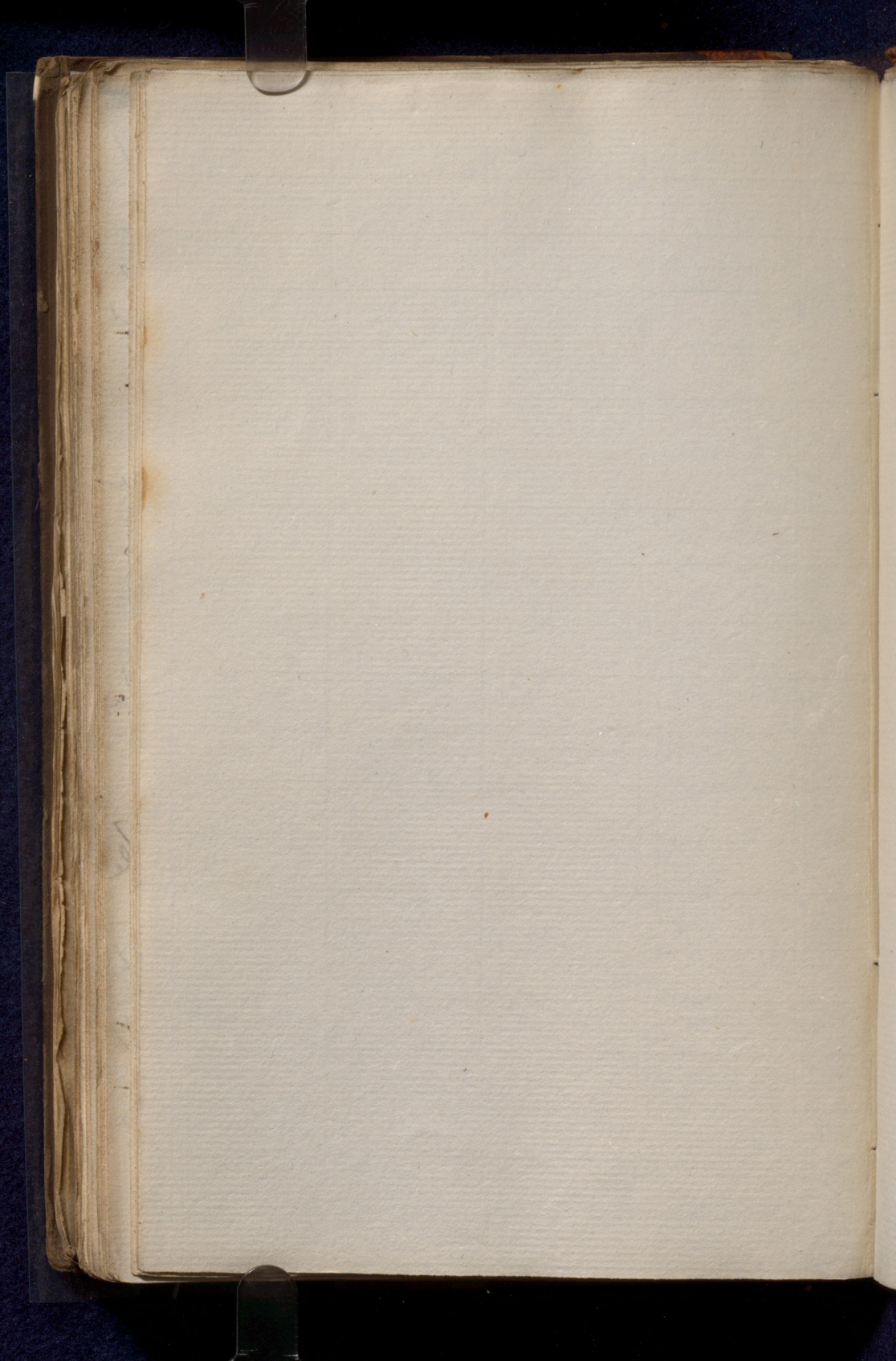


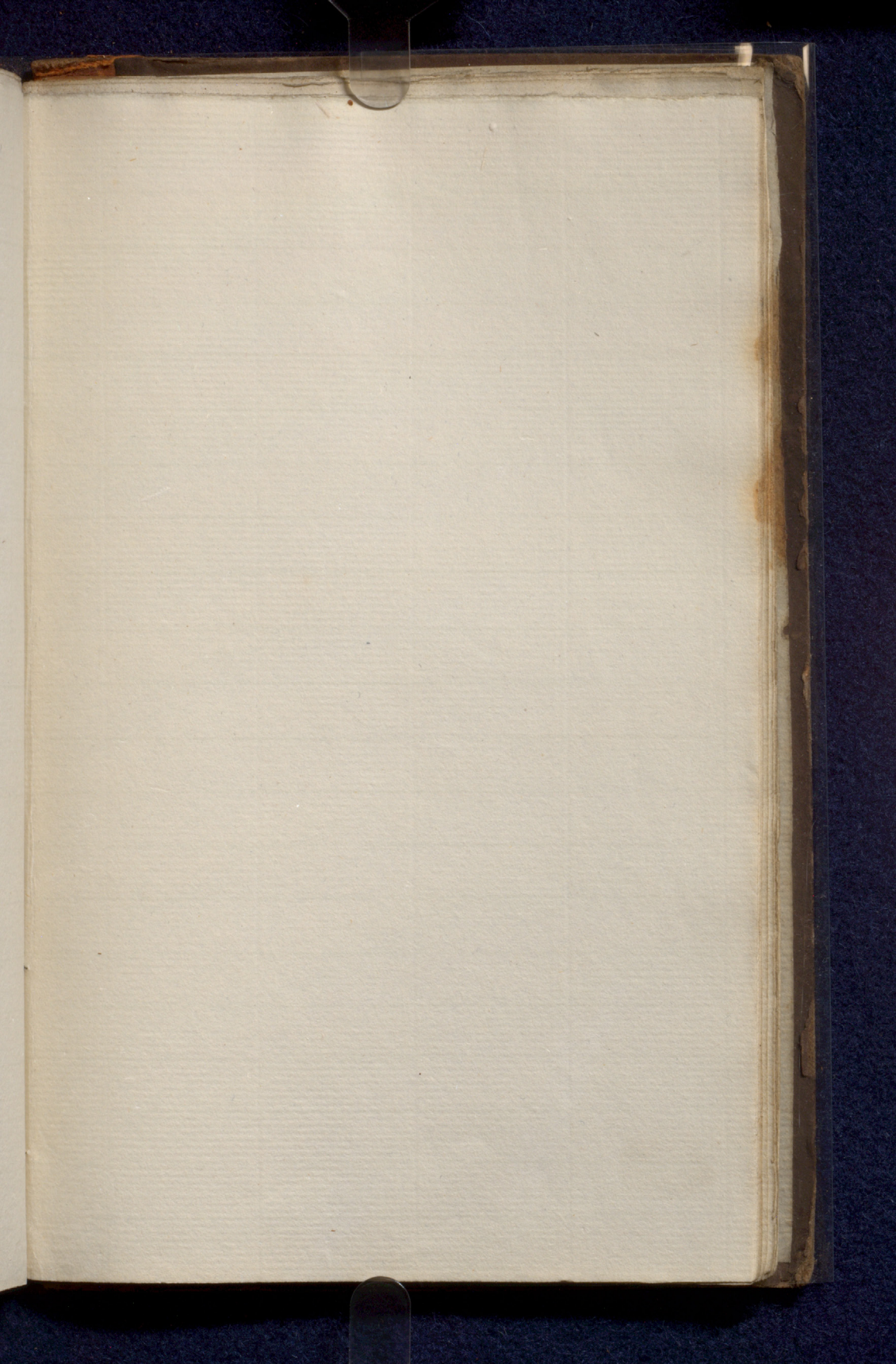


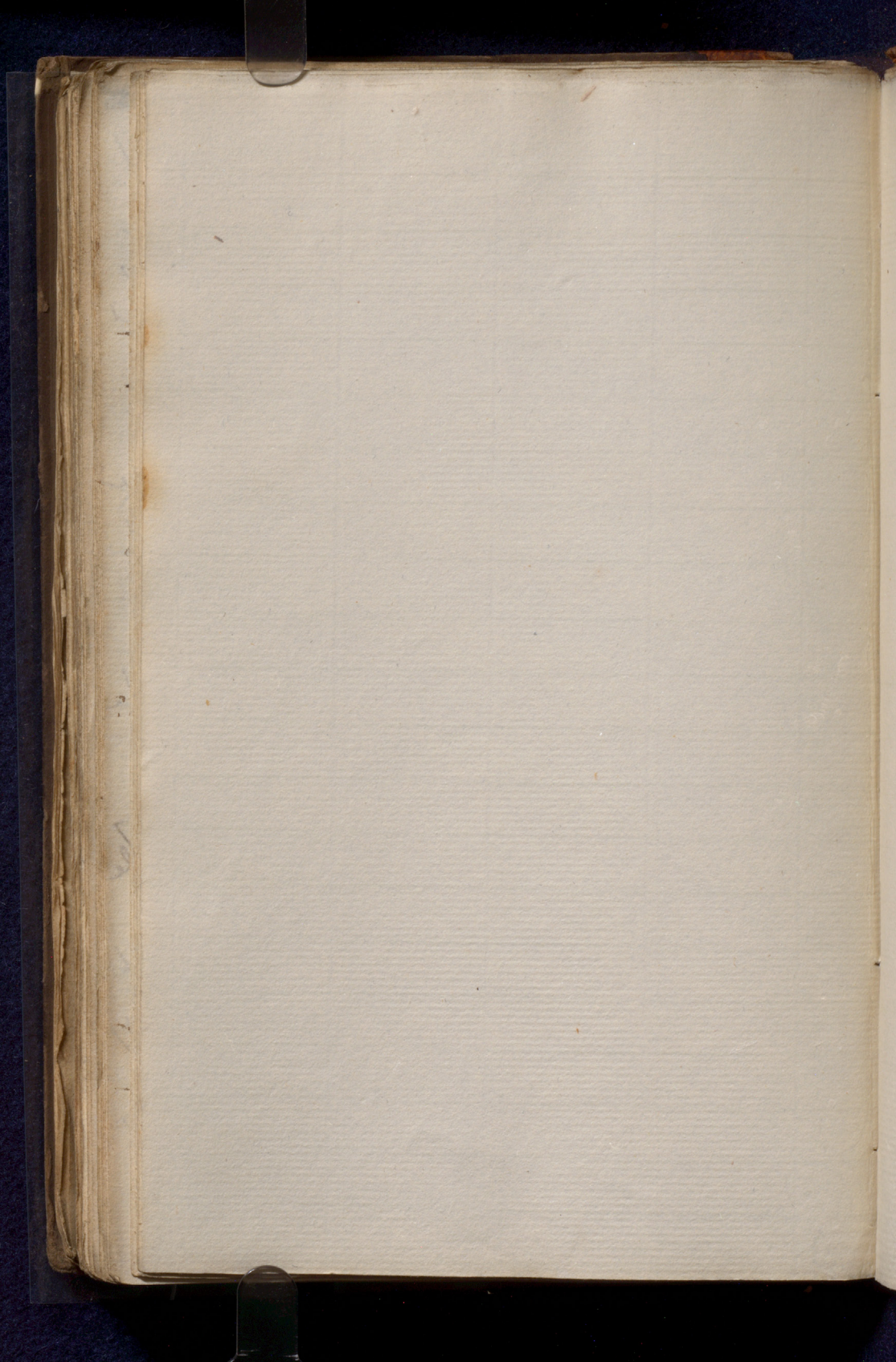


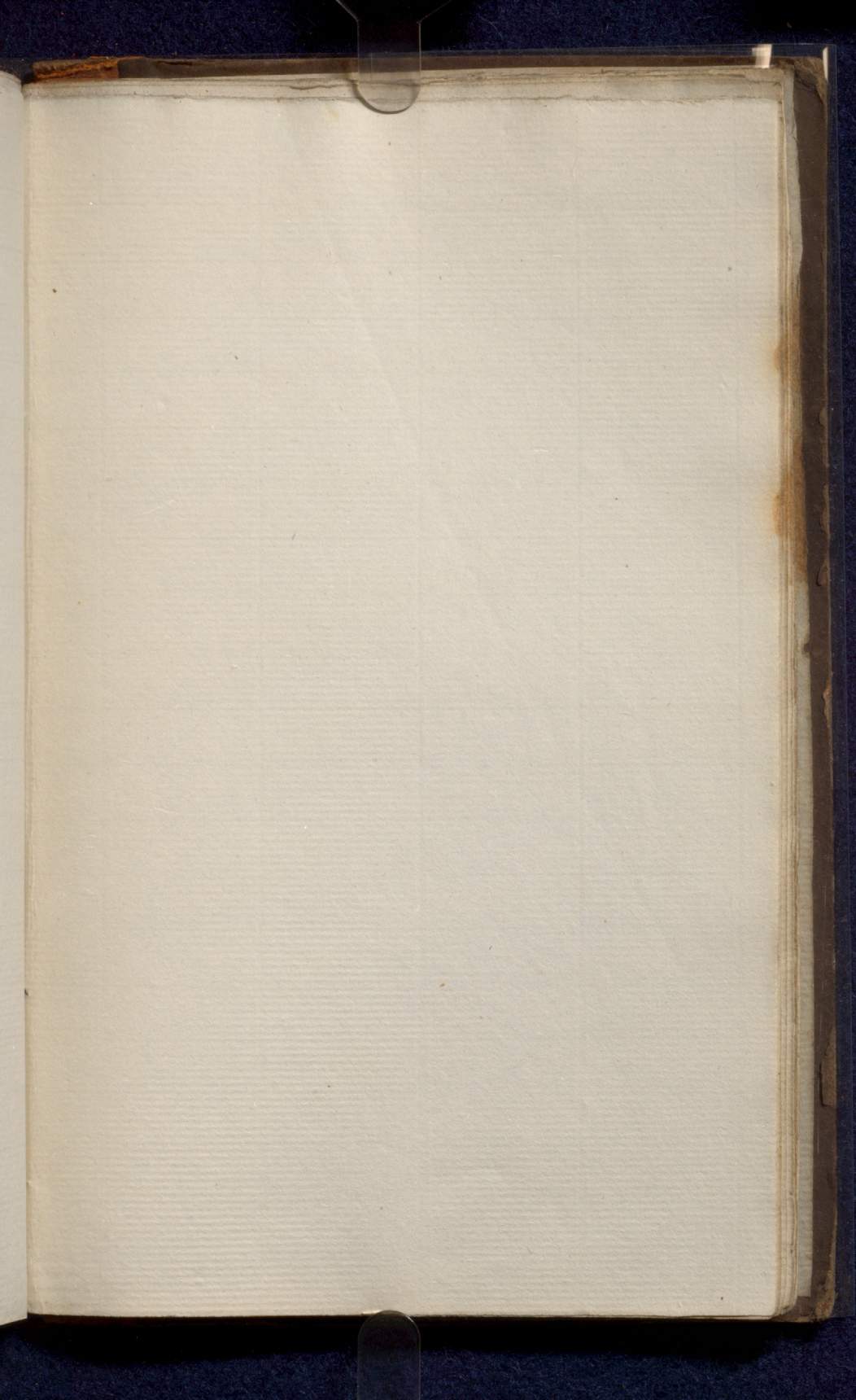


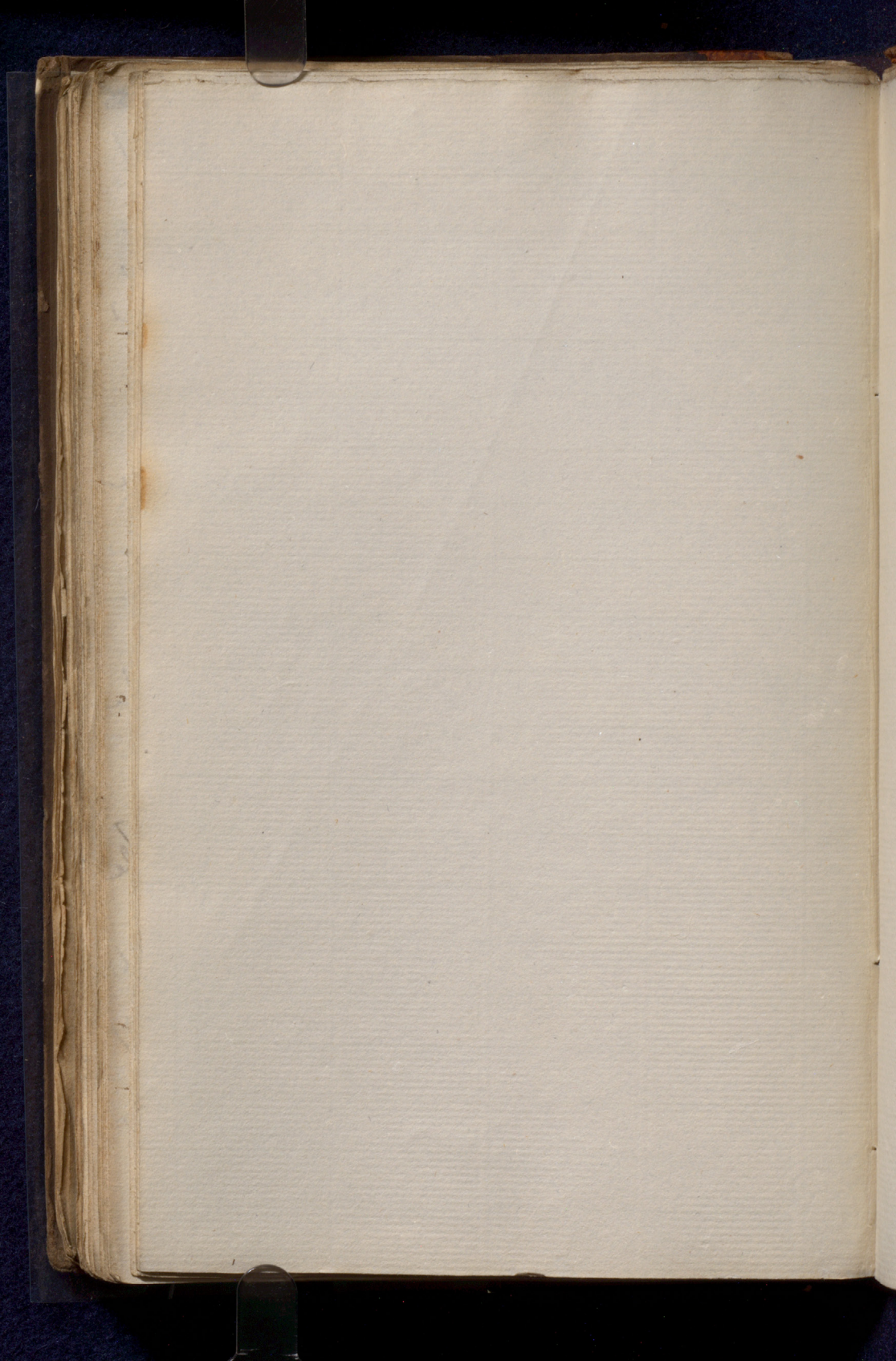


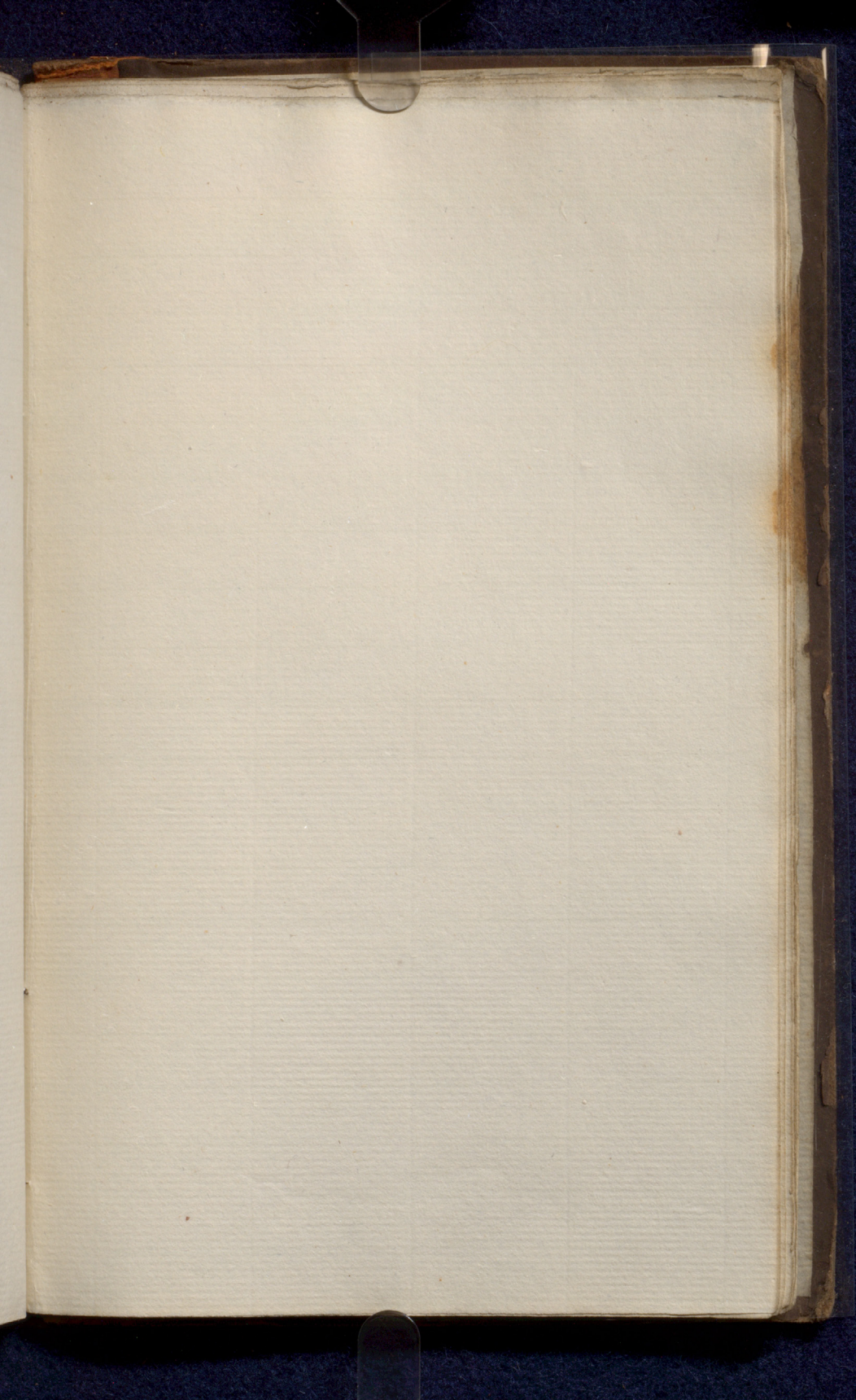


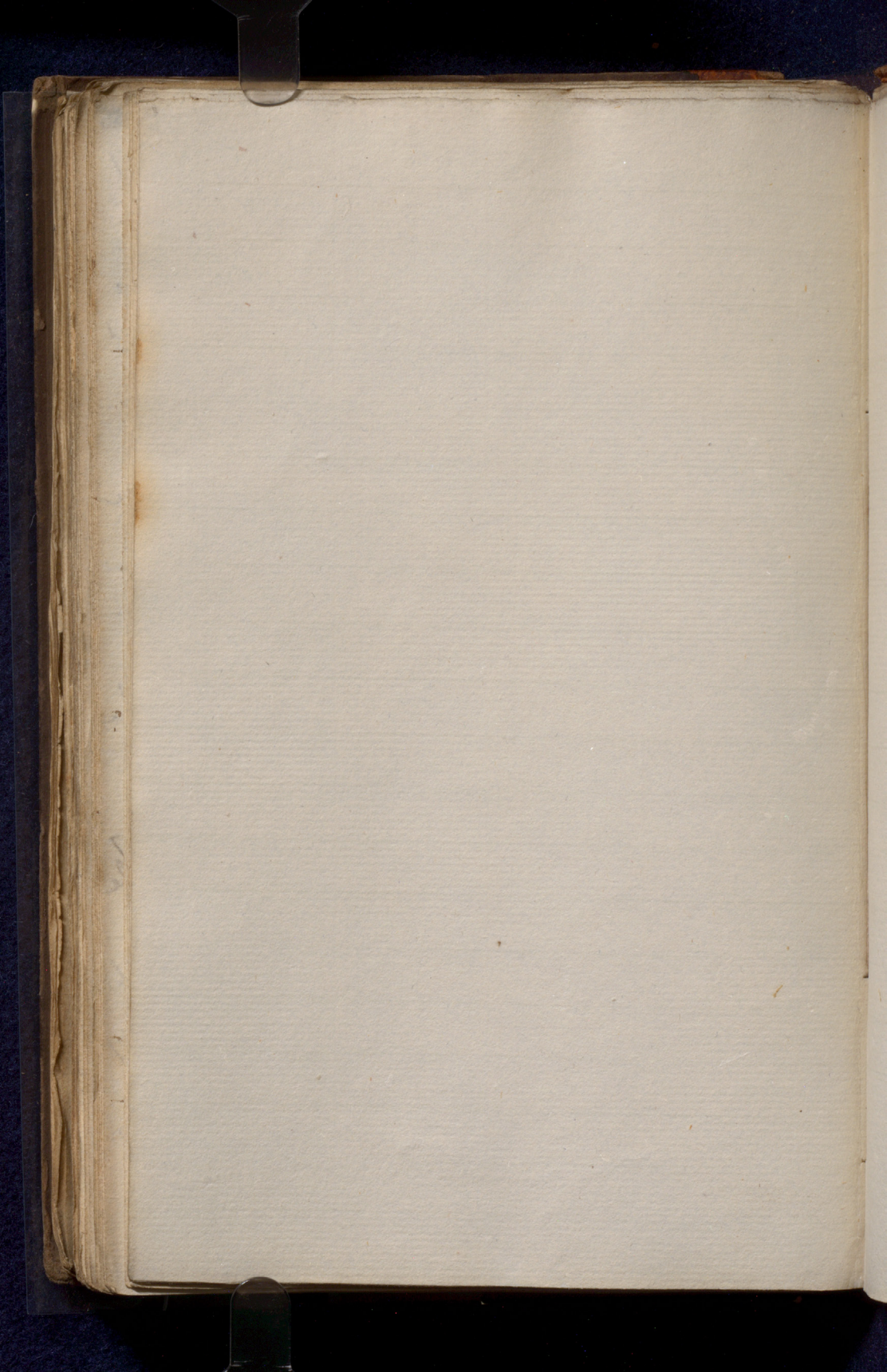




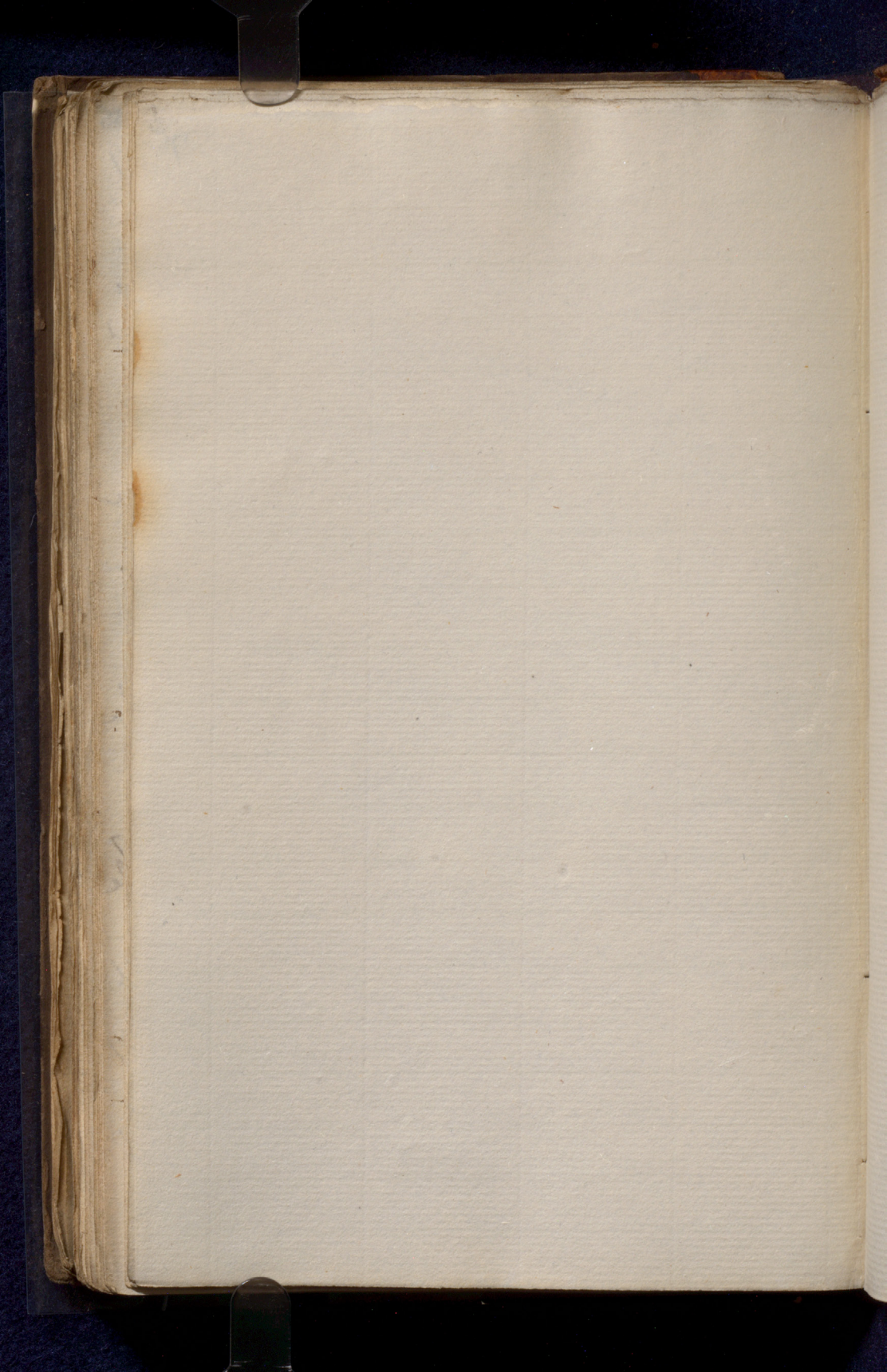




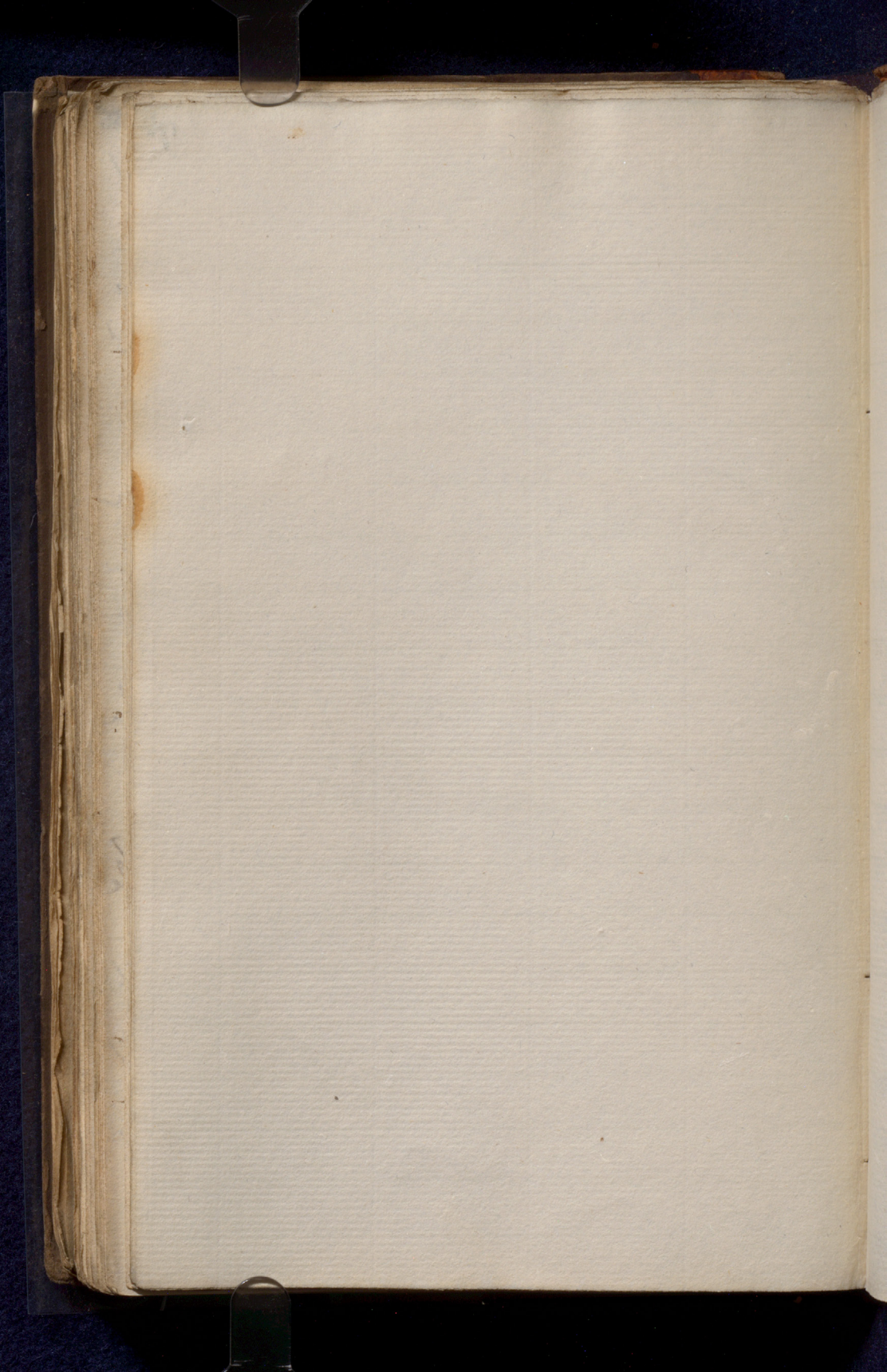




175



176



Consequence of Generalization
 Just as
 position from formation, but in (very)
 when very great and when you must
 view the self of it, if other part
 into state of person in 24 hours
 showing by these two kinds of
 line — just as the weather in the
 position just as in the position
 when the position, being, in
 antipathetic — system at the back
 coming with the position — system
 of the person, which is adding a decent
 to the self of it — which is
 being just as in the position
 from which is coming, such as
 account of position, even though in
 antipathetic position. It is not
 outside of it, but in the self of
 the part in a whole and fully com-
 plete of matter between it and the other

friendly letter. my attention
 to, have more of my
 interests and the accompanying
 age in the middle kind of the
 first when you are in England
 reach in many, you know and
 that is - excellent the more
 good from a letter - brother
 Mr. Post - with love to Mr. Post
 & Henry and family of the
 a son - - Christy of the
 can - Bremen, exists in many
 that first address from the
 when first - you of your
 the Bremen - good deal - order
 in the letter
 in the letter

I have in the form adding every
 remarkable incident further
 nearly annihilation of Harvey
 to effect the death or injury as
 and death - Another way of doing
 this is by applying heat for
 hours burning the same the
 afterwards applying heat and you
 get an acid blood in you the
 - you give evidence in that it
 before this you strong the same
 Chromic system. All the same
 no doubt, as heat. Can make
 no doubt of it. Chromic. Just
 when for making little and large
 need of the same it of about
 position. If this system you in
 Chromic about a pound
 doubtless with water & now
 about twenty

I have at the date
 taken out the
 copy to Henry as my country, the
 with the same copy & copy, according to
 of design is much affected by the effect
 common from the author - In 1744
 1744 London X 4 1/2 and XX only count

Thank. When the first
 down the Newcastle at 1744
 & as it does in France but on
 say the second copy is from the
 often in the following way. In
 house if you had you had a
 the entire copy you had it from
 offering but in Newcastle when
 you had you had from you
 advance the house by present
 the return of blood by the present

Calcutta 1st

Excuse if I have not been
seen in London - I have been
diligently you look at the general health
of the nation, & the progress of the
war, & the state of the
king in 1800, with great
attention & when that king
lastly state - you at some time
and I think I am -
Hypocrite
James - then, & then, & then, & then
Vergil's advice - better, - I believe
in the same way about 6 months
I believe do not as yet - I believe
of which I am 2! 23 of the
of age constantly applied with view
of your very state and a little more
and a little of the state when
the connection with the nation
with the king - The nation is found
and the Hypocrite gradually

it is the free school no way in which
it is intended which has been the
at some of the schools -
first of Penn + Maine - Georgia
but there have been for 20 years
the ordinary - in some schools
do not do in the past having to get
into the school - in some of the
4 weeks - in some even by
into some days, then I will
in the first of the school but at the
nothing, the hope is that will be
very, but I hope Mr. Allen will
the school will be set on
to the school as in the year

but I will be glad

Descent and fracture lymphatic
 beyond bearing the weight and also
 in the day - often the weight of the
 body. We know the place of the
 removed from the lymphatic system
 by a marked reaction of the
 system and act in the
 removal of the lymphatic system
 some months before the first of
 month. Further than it comes from
 know the system of the first
 If you observe a lymphatic quickly
 into the blood is a healthy sign
 to observe the lymphatic system and
 would lead you to believe that
 another sign, but of your system
 this is always like 2 or 3 months
 and goes without any inflammation

[illegible]

After our several meetings
 I have been ever occupied
 the only remedy in the disease
 of the heart and the lungs
 generally unimpaired of things
 for 20 weeks you had better
 and the further towards the sea
 of the place than elsewhere
 for the situation is further and
 does not yield - When the
 disease extends to the liver
 the termination of the operation
 is extremely doubtful, most
 is the almost never.
 Paralytic when it occurs
 in such a case with all its action
 in one way is hindered from any
 action the further along the food
 of a system, we have the effects
 of disease in the cells of the

nothing from my side into my pen with
 and then I say I am not paid
 by American field pay \$12.40
 have nothing.
 So nothing about you may see
 in Egypt. I have not much to
 the first very often they are
 3000? 3000? 3000? or more
 - 2 when we see the Red Sea
 Red Sea field to a 3000 ft
 the first. I have not much to
 nothing from.

My dear Mr. Manning
 I have the pleasure to
 acknowledge the receipt of
 your letter of the 14th inst.
 and in reply to inform you
 that the same has been
 forwarded to the proper
 authorities for their
 consideration. I am, Sir,
 very respectfully,
 Yours,
 J. W. Manning

My dear friends
By Dr. H. H. H. H. H.
April 1st 1881

1896/21

Post Office St. 23.
Great Street 37. The Green Street

offering these over from a
 certain action and you at the beginning
 the taking away of 16 or 20 of
 Mass of Advocate. I am again
 proud of the St. Andrews and St. Andrew
 & the fact as I think at present do take
 then necessary. I much look of in
 possible find such as the year of the hour

14 or 15 years

1800

28th Dec 1800

28th Dec 1800

Mr 28th Dec 1800

And again

28th Dec 1800

28th Dec 1800

Hopkins

George

47

Oster
Room

B.O. 7533

#252303679

